

# Npm Install React Google Maps

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[Modern Full-Stack Development](#) - Frank Zammetti 2020-03-29  
Explore what React, Node, TypeScript, Webpack, and Docker have to offer individually, and how they all fit together in modern app development. React is one of the most popular web development tools available today, and Node.js is extremely popular for server-side development. The fact that both utilize JavaScript is a big selling point, but as developers use the language more, they begin to recognize the shortcomings, and that's where TypeScript comes in and why it's gaining in popularity quickly. Add Webpack and Docker to the mix, and you've got a potent full development stack on which to build applications. You'll begin by building a solid foundation of knowledge and quickly expand it by constructing two different real-world apps. These aren't just simple, contrived examples but real apps that you can choose to install on your servers and use for real. By the end, you will have a solid grasp of building apps with React, Node.js, and TypeScript and a good grasp on how Webpack can be used to optimize and organize your code for deployment. You'll also understand how Docker can be used to run the apps you build in a clear and well-defined way, all of which will be able to springboard you into creating more advanced apps on your own. What You'll Learn Get a project

started and logically structure it Construct a user interface with React and Material-UI Use WebSockets for real-time communication between client and server Build a REST API with Node and Express as another approach to client-server communication Package the app with Webpack for optimized delivery Take a completed app and wrap it up with Docker for easy distribution Review a host of other ancillary topics including NPM, Semantic versioning, Babel, NoSQL, and more Who This Book Is For Web developers with basic knowledge of HTML, JavaScript, CSS, and CLI tools who are interested in and in all aspects of application development, and using TypeScript instead of straight JavaScript.

[React: Cross-Platform Application Development with React Native](#) - Emilio Rodriguez Martinez 2018-03-13

Harness the power of React Native to build 4 real-world apps Key Features Build quirky and fun projects from scratch and become efficient with React Native Learn to build professional Android and iOS applications using your existing JavaScript knowledge Use isomorphic principles to build mobile apps that offer a native user experience Embedded with assessments that will help you revise the concepts you have learned in this course Book Description

React Native helps web and mobile developers to build cross-platform apps that perform at the same level as any other natively developed app. The range of apps that can be built using this library is huge. From e-commerce to games, React Native is a good fit for any mobile project due to its flexibility and extendable nature. This project-based book consists of four standalone projects. Each project will help you gain a sound understanding of the framework and build mobile apps with native user experience. Starting with a simple standalone car booking app, you will progressively move on to building advanced apps by adding connectivity with external APIs, using native features, such as the camera or microphone, in the mobile device, integrating with state management libraries such as Redux or MobX, or leveraging React Native's performance by building a full-featured game. This book is ideal for developers who want to build amazing cross-platform apps with React Native. This book is embedded with useful assessments that will help you revise the concepts you have learned in this book. What you will learn Structure React Native projects to ease maintenance and extensibility Optimize a project to speed up development Use external modules to speed up the development and maintenance of your projects Explore the different UI and code patterns to be used for iOS and Android Get to know the best practices when building apps in React Native Who this book is for This book is for developers who want to build amazing cross-platform apps with React Native.

**Learn React Hooks** - Daniel Bugl 2019-10-18

Create large-scale web applications with code that is extensible and easy to understand using React Hooks Key Features Explore effective strategies for migrating your state management from Redux and MobX to React Hooks Integrate Hooks with React features such as Context and Suspense to add advanced functionality to your web apps Create complex applications by combining multiple hooks Book Description React Hooks revolutionize how you manage state and effects in your web

applications. They enable you to build simple and concise React.js applications, along with helping you avoid using wrapper components in your applications, making it easy to refactor code. This React book starts by introducing you to React Hooks. You will then get to grips with building a complex UI in React while keeping the code simple and extensible. Next, you will quickly move on to building your first applications with React Hooks. In the next few chapters, the book delves into various Hooks, including the State and Effect Hooks. After covering State Hooks and understanding how to use them, you will focus on the capabilities of Effect Hooks for adding advanced functionality to React apps. You will later explore the Suspense and Context APIs and how they can be used with Hooks. Toward the concluding chapters, you will learn how to integrate Redux and MobX with React Hooks. Finally, the book will help you develop the skill of migrating your existing React class components, and Redux and MobX web applications to Hooks. By the end of this book, you will be well-versed in building your own custom Hooks and effectively refactoring your React applications. What you will learn Understand the fundamentals of React Hooks and how they modernize state management in React apps Build your own custom Hooks and learn how to test them Use community Hooks for implementing responsive design and more Learn the limitations of Hooks and what you should and shouldn't use them for Get to grips with implementing React context using Hooks Refactor your React-based web application, replacing existing React class components with Hooks Use state management solutions such as Redux and MobX with React Hooks Who this book is for This book is for React developers who want to learn how to build applications with Hooks. Developers who are looking to migrate to React for its advanced feature set and capabilities will also find the book useful.

React Components - Christopher Pitt 2016-04-21

Explore the power of React components for cutting-edge web development About This Book Learn to build better websites by

creating a variety of different components in React Conceptualize the design and build maintainable web apps with the help of components A fast-paced guide to help you learn about component-based development in React Who This Book Is For This book is ideal for developers who are familiar with the basics of React and are looking for a guide to building a wide range of components as well as develop component-driven UIs. What You Will Learn How to structure an app into components Working with nested components Work with nested components Set up communication across components Style the existing components Work with Material Design as a component Render components on the server Make the best of design patterns Make the app pluggable In Detail The reader will learn how to use React and its component-based architecture in order to develop modern user interfaces. A new holistic way of thinking about UI development will establish throughout this book and the reader will discover the power of React components with many examples. After reading the book and following the example application, the reader has built a small to a mid-size application with React using a component based UI architecture. The book will take the reader through a journey to discover the benefits of component-based user interfaces over the classical MVC architecture. Throughout the book, the reader will develop a wide range of components and then bring them together to build a component-based UI. By the end of this book, readers would have learned several techniques to build powerful components and how the component-based development is beneficial over regular web development. Style and approach This book is a compact, example-driven guide that provides a step-by-step approach.

[Pro React](#) - Cassio de Sousa Antonio 2015-12-29

Pro React teaches you how to successfully structure increasingly complex front-end applications and interfaces. This book explores the React library in depth, as well as detailing additional tools and libraries in the React ecosystem, enabling you to create complete,

complex applications. You will learn how to use React completely, and learn best practices for creating interfaces in a composable way. You will also cover additional tools and libraries in the React ecosystem (such as React Router and Flux architecture). Each topic is covered clearly and concisely and is packed with the details you need to learn to be truly effective. The most important features are given no-nonsense, in-depth treatment, and every chapter details common problems and how to avoid them. If you already have experience creating front-end apps using jQuery or perhaps other JavaScript frameworks, but need to solve the increasingly common problem of structuring complex front-end applications, then this book is for you. Start working with React like a pro - add Pro React to your library today.

*Learning React Native* - Bonnie Eisenman 2017-10-23

Get a practical introduction to React Native, the JavaScript framework for writing and deploying fully featured mobile apps that render natively. The second edition of this hands-on guide shows you how to build applications that target iOS, Android, and other mobile platforms instead of browsers—apps that can access platform features such as the camera, user location, and local storage. Through code examples and step-by-step instructions, web developers and frontend engineers familiar with React will learn how to build and style interfaces, use mobile components, and debug and deploy apps. You'll learn how to extend React Native using third-party libraries or your own Java and Objective-C libraries. Understand how React Native works under the hood with native UI components Examine how React Native's mobile-based components compare to basic HTML elements Create and style your own React Native components and applications Take advantage of platform-specific APIs, as well as modules from the framework's community Incorporate platform-specific components into cross-platform apps Learn common pitfalls of React Native development, and tools for dealing with them Combine a large application's many screens into a cohesive UX Handle state

management in a large app with the Redux library  
Hands-On Full Stack Development with Spring Boot 2.0 and React -  
Juha Hinkula 2018-06-21

Develop efficient and modern full-stack applications using Spring Boot and React 16 Key Features Develop resourceful backends using Spring Boot and faultless frontends using React. Explore the techniques involved in creating a full-stack app by going through a methodical approach. Learn to add CRUD functionalities and use Material UI in the user interface to make it more user-friendly. Book Description Apart from knowing how to write frontend and backend code, a full-stack engineer has to tackle all the problems that are encountered in the application development life cycle, starting from a simple idea to UI design, the technical design, and all the way to implementing, testing, production, deployment, and monitoring. This book covers the full set of technologies that you need to know to become a full-stack web developer with Spring Boot for the backend and React for the frontend. This comprehensive guide demonstrates how to build a modern full-stack application in practice. This book will teach you how to build RESTful API endpoints and work with the data access Layer of Spring, using Hibernate as the ORM. As we move ahead, you will be introduced to the other components of Spring, such as Spring Security, which will teach you how to secure the backend. Then, we will move on to the frontend, where you will be introduced to React, a modern JavaScript library for building fast and reliable user interfaces, and its app development environment and components. You will also create a Docker container for your application. Finally, the book will lay out the best practices that underpin professional full-stack web development. What you will learn Create a RESTful web service with Spring Boot Understand how to use React for frontend programming Gain knowledge of how to create unit tests using JUnit Discover the techniques that go into securing the backend using Spring Security Learn how to use Material UI in the user interface to make it more user-friendly

Create a React app by using the Create React App starter kit made by Facebook Who this book is for Java developers who are familiar with Spring, but have not yet built full-stack applications

**React Native Blueprints** - Emilio Rodriguez Martinez 2017-11-08  
Develop real world Android and iOS applications with the power of React native. About This Book Build quirky and fun projects from scratch and become efficient with React Native Learn to build professional Android and iOS applications with your JavaScript skills Use Isomorphic principles to build mobile apps that offer a native user experience Who This Book Is For This book is for developers who want to use their JavaScript knowledge for mobile development. Prior knowledge of React will be beneficial. What You Will Learn Structure React Native projects to ease maintenance and extensibility Optimize a project to speed up development Make a React Native project production-ready Use external modules to speed up the development and maintenance of your projects Explore the different UI and code patterns to be used for iOS and Android Get to know the best practices when building apps in React Native In Detail Considering the success of the React framework, Facebook recently introduced a new mobile development framework called React Native. With React Native's game-changing approach to hybrid mobile development, you can build native mobile applications that are much more powerful, interactive, and faster by using JavaScript This project-based guide takes you through eight projects to help you gain a sound understanding of the framework and helps you build mobile apps with native user experience. Starting with a simple standalone groceries list app, you will progressively move on to building advanced apps by adding connectivity with external APIs, using native features, such as the camera or microphone, in the mobile device, integrating with state management libraries such as Redux or MobX, or leveraging React Native's performance by building a full-featured game. This book covers the entire feature set of React Native, starting from the simplest (layout or navigation

libraries) to the most advanced (integration with native code) features. By the end of this book, you'll be able to build professional Android and iOS applications using React Native. Style and approach This project-based guide consists of 8 projects. Each project is a standalone project that covers the core techniques and concepts in each project.

*ASP.NET Core 3 and React* - Carl Rippon 2019-12-27

Build modern, scalable, and cloud-ready single-page applications using ASP.NET Core, React, TypeScript, and Azure Key Features Explore the full potential and latest features of .NET Core 3.0, TypeScript 3, and React Learn how to manage data, application design, and packaging, and secure your web apps Discover best practices for using React and TypeScript to build a scalable frontend that interacts with REST APIs Book Description Microsoft's ASP.NET Core is a robust and high-performing cross-platform web API framework, and Facebook's React uses declarative JavaScript to drive a rich, interactive user experience on the client-side web. Together, they can be used to build full stack apps with enhanced security and scalability at each layer. This book will start by taking you through React and TypeScript components to build an intuitive single-page application. You'll understand how to design scalable REST APIs that can integrate with a React-based frontend. You'll get to grips with the latest features, popular patterns, and tools available in the React ecosystem, including function-based components, React Router, and Redux. The book shows how you can use TypeScript along with React to make the frontend robust and maintainable. You'll then cover important .NET Core features such as API controllers, attribute routing, and model binding to help you build a sturdy backend. Additionally, you'll explore API security with ASP.NET Core identity and authorization policies, and write reliable unit tests using both .NET Core and React before you deploy your app to the Azure cloud. By the end of the book, you'll have gained all the knowledge you need to enhance your C# and JavaScript

skills and build full stack, production-ready applications with ASP.NET Core and React. What you will learn Build RESTful APIs with .NET Core using API controllers Create strongly typed, interactive, and function-based React components using Hooks Build forms efficiently using reusable React components Perform client-side state management with Redux and the React Context API Secure REST APIs with ASP.NET identity and authorization policies Run a range of automated tests on the frontend and backend Implement continuous integration (CI) and continuous delivery (CD) processes into Azure using Azure DevOps Who this book is for If you're a web developer looking to build solid full-stack web applications with .NET Core and React, this book is for you. Although this book does not assume any knowledge of React, you're expected to have a basic understanding of .NET Core.

*Serverless Web Applications with React and Firebase* - Mayur Tanna 2018-04-10

Build rich and collaborative applications using client-side code with React, Redux, and Firebase Key Features 1) A practical guide covering the full stack for web development with React 16 and Firebase 2) Leverage the power of Firebase Cloud Storage, messaging, functions, OAuth, and database security to develop serverless web applications. 3) Develop high-performance applications without the hassle of setting up complex web infrastructure. Book Description ReactJS is a wonderful framework for UI development. Firebase as a backend with React is a great choice as it is easy, powerful, and provides great developer experience. It removes a lot of boilerplate code from your app and allows you to focus on your app to get it out quickly to users. Firebase with React is also a good choice for Most Viable Product (MVP) development. This book provides more practical insights rather than just theoretical concepts and includes basic to advanced examples - from hello world to a real-time seat booking app and Helpdesk application This book will cover the essentials of

Firebase and React.js and will take you on a fast-paced journey through building real-time applications with Firebase features such as Cloud Storage, Cloud Function, Hosting and the Realtime Database. We will learn how to secure our application by using Firebase authentication and database security rules. We will leverage the power of Redux to organize data in the front-end, since Redux attempts to make state mutations predictable by imposing certain restrictions on how and when updates can happen. Towards the end of the book you will have improved your React skills by realizing the potential of Firebase to create real-time serverless web applications. What you will learn Install powerful React.js and Firebase tools to make development much more efficient Create React components with Firebase to save and retrieve the data in real-time Use Firebase Authentication to make your React user interface secure Develop React and Firebase applications with Redux integration Firebase database security rules Firebase Cloud Storage Integration to upload and store data on the cloud Create a complete real-time application with React and firebase Using Firebase Cloud messaging and Cloud functions with React Firebase Cloud Storage integration with React Who this book is for This book is for JavaScript developers who have some previous knowledge of React and want to develop serverless, full-stack applications but without the hassle of setting up a complex infrastructure.

*JavaScript All-in-One For Dummies* - Chris Minnick 2023-04-05

A developer's resource to learning one of the most-used scripting languages JavaScript All-in-One For Dummies saves you shelf space by offering a complete introduction to JavaScript and how it's used in the real world. This book serves up JavaScript coding basics before diving into the tools, libraries, frameworks, and runtime environments new and experienced coders need to know. Start by learning the basics of JavaScript and progress through the techniques and tools used by professional JavaScript developers, even if you've never written code before. You also get the details

of today's hottest libraries and frameworks—React.js, Vue.js, Svelte, and Node.js. Learn the basics of web and application development with the JavaScript language Grasp the similarities and differences between React.js, Vue.js, and Svelte Discover how to write server-side JavaScript and how to access databases with Node.js Gain a highly marketable skill, with one of the most popular coding languages Launch or further your career as a coder with easy-to-follow instruction This is the go-to Dummies guide for future and current coders who need an all-inclusive guide JavaScript. This is the go-to Dummies guide for future and current coders who need an all-inclusive guide to the world of JavaScript.

**ReactJS by Example - Building Modern Web Applications with React** - Vipul A M 2016-04-21

Get up and running with ReactJS by developing five cutting-edge and responsive projects About This Book Create pragmatic real-world applications while learning React and its modern developer tools Build sustainable user interfaces by transforming data into components of UI Learn how to generate reusable ReactJS components effectively Who This Book Is For If you are a web developer and wish to learn ReactJS from scratch, then this book is tailor-made for you. Good understanding of Javascript, HTML, and CSS is expected. What You Will Learn Create, reuse, and compose React components using JSX Share data between various React components and techniques for data flow within a React app Handle user interactions with the help of event handlers and dynamic components Set up and use various next generation ES2015/ES6 features with React Understand the performance and immutability features of React using React add-ons Learn the techniques of Animation in React Use data stores to store model-related data and information Create a flux-based React application by using Reflux library In Detail ReactJS is an open-source JavaScript library that brings the power of reactive programming to web applications and sites. It aims to address the challenges encountered in developing single-page applications, and is

intended to help developers build large, easily scalable and changing web apps. Starting with a project on Open Library API, you will be introduced to React and JSX before moving on to learning about the life cycle of a React component. In the second project, building a multi-step wizard form, you will learn about composite dynamic components and perform DOM actions. You will also learn about building a fast search engine by exploring server-side rendering in the third project on a search engine application. Next, you will build a simple frontpage for an e-commerce app in the fourth project by using data models and React add-ons. In the final project you will develop a complete social media tracker by using the flux way of defining React apps and know about the best practices and use cases with the help of ES6 and redux. By the end of this book, you will not only have a good understanding of ReactJS but will also have built your very own responsive frontend applications from scratch. Style and approach An easy-to-follow program to learn ReactJS with the help of real world projects. Each topic is explained within the context of a project and provides plenty of tips and tricks for using ReactJS.

Hands-On Full-Stack Web Development with GraphQL and React - Sebastian Grebe 2019-01-31

Combining React, one of the most widely used JavaScript frameworks, and GraphQL, the modern way of querying an API, two revolutionary technologies will give you a future-proof and scalable stack you can start building your business around. This book will guide you in implementing applications by using React, Apollo, Node.js and SQL.

**Node.js Design Patterns** - Mario Casciaro 2016-07-18

Get the best out of Node.js by mastering its most powerful components and patterns to create modular and scalable applications with ease About This Book Create reusable patterns and modules by leveraging the new features of Node.js . Understand the asynchronous single thread design of node and grasp all its features and patterns to take advantage of various

functions. This unique guide will help you get the most out of Node.js and its ecosystem. Who This Book Is For The book is meant for developers and software architects with a basic working knowledge of JavaScript who are interested in acquiring a deeper understanding of how to design and develop enterprise-level Node.js applications. Basic knowledge of Node.js is also helpful to get the most out of this book. What You Will Learn Design and implement a series of server-side JavaScript patterns so you understand why and when to apply them in different use case scenarios Become comfortable with writing asynchronous code by leveraging constructs such as callbacks, promises, generators and the async-await syntax Identify the most important concerns and apply unique tricks to achieve higher scalability and modularity in your Node.js application Untangle your modules by organizing and connecting them coherently Reuse well-known techniques to solve common design and coding issues Explore the latest trends in Universal JavaScript, learn how to write code that runs on both Node.js and the browser and leverage React and its ecosystem to implement universal applications In Detail Node.js is a massively popular software platform that lets you use JavaScript to easily create scalable server-side applications. It allows you to create efficient code, enabling a more sustainable way of writing software made of only one language across the full stack, along with extreme levels of reusability, pragmatism, simplicity, and collaboration. Node.js is revolutionizing the web and the way people and companies create their software. In this book, we will take you on a journey across various ideas and components, and the challenges you would commonly encounter while designing and developing software using the Node.js platform. You will also discover the "Node.js way" of dealing with design and coding decisions. The book kicks off by exploring the basics of Node.js describing it's asynchronous single-threaded architecture and the main design patterns. It then shows you how to master the asynchronous control flow patterns, and the stream component

and it culminates into a detailed list of Node.js implementations of the most common design patterns as well as some specific design patterns that are exclusive to the Node.js world. Lastly, it dives into more advanced concepts such as Universal Javascript, and scalability' and it's meant to conclude the journey by giving the reader all the necessary concepts to be able to build an enterprise grade application using Node.js. Style and approach This book takes its intended readers through a comprehensive explanation to create a scalable and efficient real-time server-side apps.

**Elevating React Web Development with Gatsby** - Samuel Larsen-Disney 2022-01-21

Gatsby is a powerful React static site generator that enables you to create lightning-fast web experiences. Complete with hands-on tutorials and projects, this easy-to-follow guide will help you to understand the core concepts of GatsbyJS and show you how to build client websites your users will love.

*Learning Redux* - Daniel Bugl 2017-08-31

Build consistent web apps with Redux by easily centralizing the state of your application. About This Book Write applications that behave consistently, run in different environments (client, server and native), and are easy to test Take your web apps to the next level by combining the power of Redux with other frameworks such as React and Angular Uncover the best practices and hidden features of Redux to build applications that are powerful, consistent, and maintainable Who This Book Is For This book targets developers who are already fluent in JavaScript but want to extend their web development skills to develop and maintain bigger applications. What You Will Learn Understand why and how Redux works Implement the basic elements of Redux Use Redux in combination with React/Angular to develop a web application Debug a Redux application Interface with external APIs with Redux Implement user authentication with Redux Write tests for all elements of a Redux application Implement simple and more advanced routing with Redux Learn about server-side rendering

with Redux and React Create higher-order reducers for Redux Extend the Redux store via middleware In Detail The book starts with a short introduction to the principles and the ecosystem of Redux, then moves on to show how to implement the basic elements of Redux and put them together. Afterward, you are going to learn how to integrate Redux with other frameworks, such as React and Angular. Along the way, you are going to develop a blog application. To practice developing growing applications with Redux, we are going to start from nothing and keep adding features to our application throughout the book. You are going to learn how to integrate and use Redux DevTools to debug applications, and access external APIs with Redux. You are also going to get acquainted with writing tests for all elements of a Redux application. Furthermore, we are going to cover important concepts in web development, such as routing, user authentication, and communication with a backend server After explaining how to use Redux and how powerful its ecosystem can be, the book teaches you how to make your own abstractions on top of Redux, such as higher-order reducers and middleware. By the end of the book, you are going to be able to develop and maintain Redux applications with ease. In addition to learning about Redux, you are going be familiar with its ecosystem, and learn a lot about JavaScript itself, including best practices and patterns. Style and approach This practical guide will teach you how to develop a complex, data-intensive application leveraging the capabilities of the Redux framework.

**React Design Patterns and Best Practices** - Carlos Santana Roldán 2019-03-30

Build modular React web apps that are scalable, maintainable and powerful using design patterns and insightful practices Key Features Get familiar with design patterns in React like Render props and Controlled/uncontrolled inputs Learn about class/functional, style and high order components with React Work through examples that can be used to create reusable code and



extensible designs Book Description React is an adaptable JavaScript library for building complex UIs from small, detached bits called components. This book is designed to take you through the most valuable design patterns in React, helping you learn how to apply design patterns and best practices in real-life situations. You'll get started by understanding the internals of React, in addition to covering Babel 7 and Create React App 2.0, which will help you write clean and maintainable code. To build on your skills, you will focus on concepts such as class components, stateless components, and pure components. You'll learn about new React features, such as the context API and React Hooks that will enable you to build components, which will be reusable across your applications. The book will then provide insights into the techniques of styling React components and optimizing them to make applications faster and more responsive. In the concluding chapters, you'll discover ways to write tests more effectively and learn how to contribute to React and its ecosystem. By the end of this book, you will be equipped with the skills you need to tackle any developmental setbacks when working with React. You'll be able to make your applications more flexible, efficient, and easy to maintain, thereby giving your workflow a boost when it comes to speed, without reducing quality. What you will learn Get familiar with the new React features, like context API and React Hooks Learn the techniques of styling and optimizing React components Make components communicate with each other by applying consolidate patterns Use server-side rendering to make applications load faster Write a comprehensive set of tests to create robust and maintainable code Build high-performing applications by optimizing components Who this book is for This book is for web developers who want to increase their understanding of React and apply it to real-life application development. Prior experience with React and JavaScript is assumed.

TypeScript Notes for Professionals book - Dr. Ashad ullah Qureshi

2023-03-01

TypeScript is a free and open source high-level programming language developed and maintained by Microsoft. It is a strict syntactical superset of JavaScript and adds optional static typing to the language. It is designed for the development of large applications and transpiles to JavaScript.

**5 Practical React Projects** - Nirmalya Ghosh 2017-11-07

This book is a collection of in-depth tutorials, selected from SitePoint's React Hub, that will guide you through some fun and practical projects. Along the way, you'll pick up lots of useful development tips. It contains: How to Create a Reddit Clone Using React and Firebase by Nirmalya Ghosh Build a CRUD App Using React, Redux and FeathersJS by Michael Wanyoike How to Build a Todo App Using React, Redux, and Immutable.js by Dan Prince Building a Game with Three.js, React and WebGL by Andrew Ray Procedurally Generated Game Terrain with React, PHP, and WebSockets by Christopher Pitt

**Pro MERN Stack** - Vasan Subramanian 2017-03-02

Assemble the complete stack required to build a modern web app using React: MongoDB (a NoSQL database) and Express (a framework for web application servers), which runs on Node (JavaScript on the server side), complement React very nicely. This book will also cover many other tools that go into building a complete web application: React Router, React-Bootstrap, Redux, Babel, and webpack. Though the primary focus of Pro MERN Stack is to equip you with all that is required to build a full-fledged web application, a large portion of the book will be devoted to React. The popular MEAN (MongoDB, Express, AngularJS, Node) stack introduced Single Page Apps (SPAs) and front-end Model-View-Controller (MVC) as new and efficient paradigms. But it has its shortcomings such as lack of support for SEO friendly server-side rendering and being too prescriptive by being a framework. Facebook's React is a technology that competes indirectly with AngularJS. It is not a full-fledged MVC framework. It is a JavaScript

library for building user interfaces (in some sense the View part). Yet, it is possible to build a web app by replacing AngularJS with React – hence the term MERN stack. What You Will Learn Discover the details of React, the React Way, and how to get the maximum out of this library See the basics of MongoDB, Express, and Node, enough to build a web app Work with other tools complementary to React, including React-Bootstrap and React Router Use the tools required to build JavaScript based SPAs Tie all the components together to build a complete web app. Who This Book Is For Developers and architects who have prior experience in any web app stack other than the MERN stack will find the book useful to learn about this modern stack. Prior knowledge of JavaScript, HTML, and CSS is required.

#### **React Projects** - Roy Derks 2019-12-20

Build cross-platform applications of varying complexity for the web, mobile, and VR devices using React tooling Key Features Build React applications at scale using effective React patterns and best practices Explore React features such as Hooks, the Context API, and the Suspense API Extend React's integration with React Native for building cross-platform mobile apps and games Book Description Developed by Facebook, React is a popular library for building impressive user interfaces. React extends its capabilities to the mobile platform using the React Native framework and integrates with popular web and mobile tools to build scalable applications. React Projects is your guide to learning React development by using modern development patterns and integrating React with powerful web tools such as GraphQL, Expo, and React 360. You'll start building a real-world project right from the first chapter and get hands on with developing scalable applications as you advance to building more complex projects. Throughout the book, you'll use the latest versions of React and React Native to explore features such as Higher Order Components (HOC), Context, and Hooks on multiple platforms, which will help you build full stack web and mobile

applications efficiently. Finally, you'll delve into unit testing with Jest to build test-driven apps. By the end of this React book, you'll have developed the skills necessary to start building scalable React apps across web and mobile platforms. What you will learn Create a wide range of applications using various modern React tools and frameworks Discover how React Hooks modernize state management for React apps Develop progressive web applications using React components Build test-driven React applications using the Jest and Enzyme frameworks Understand full stack development using React, Apollo, and GraphQL Perform server-side rendering using React and React Router Design gestures and animations for a cross-platform game using React Native Who this book is for The book is for JavaScript developers who want to explore React tooling and frameworks for building cross-platform applications. Basic knowledge of web development, ECMAScript, and React will assist with understanding key concepts covered in this book.

#### **React and React Native** - Adam Boduch 2020-04-30

Get up to speed with React, React Native, GraphQL and Apollo for building cross-platform native apps with the help of practical examples Key Features Covers the latest features of React such as Hooks, Suspense, NativeBase, and Apollo in this updated third edition Get to grips with the React architecture for writing easy-to-manage web and mobile applications Understand GraphQL and Apollo for building a scalable backend for your cross-platform apps Book Description React and React Native, Facebook's innovative User Interface (UI) libraries, are designed to help you build robust cross-platform web and mobile applications. This updated third edition is improved and updated to cover the latest version of React. The book particularly focuses on the latest developments in the React ecosystem, such as modern Hook implementations, code splitting using lazy components and Suspense, user interface framework components using Material-UI, and Apollo. In terms of React Native, the book has been updated to version 0.62 and

demonstrates how to apply native UI components for your existing mobile apps using NativeBase. You will begin by learning about the essential building blocks of React components. Next, you'll progress to working with higher-level functionalities in application development, before putting this knowledge to use by developing user interface components for the web and for native platforms. In the concluding chapters, you'll learn how to bring your application together with a robust data architecture. By the end of this book, you'll be able to build React applications for the web and React Native applications for multiple mobile platforms. What you will learn

- Delve into the React architecture, component properties, state, and context
- Get to grips with React Hooks for handling functions and components
- Implement code splitting in React using lazy components and Suspense
- Build robust user interfaces for mobile and desktop apps using Material-UI
- Write shared components for Android and iOS mobile apps using React Native
- Simplify layout design for React Native apps using NativeBase
- Write GraphQL schemas to power web and mobile apps
- Implement web and mobile components that are driven by Apollo

Who this book is for This book is for any JavaScript developer who wants to start learning how to use Facebook's UI libraries, React and React Native, for mobile and web application development. Although no prior knowledge of React is needed, working knowledge of JavaScript programming will help you understand the concepts covered in the book more effectively.

### **Mastering TypeScript 3** - Nathan Rozentals 2019-02-28

Master the TypeScript language and its latest features. Explore modern application frameworks and utilize industry best practices in TDD, OOP and UI Design. Key Features

- Learn the key features of TypeScript 3 and explore advanced language features through in-depth discussions.
- Use TypeScript with modern frameworks including Backbone, Angular, Aurelia, React, and Node.
- Explore TDD practices, OOP techniques, and industry best practices to create high-quality, modular, and adaptable applications.

Book

Description TypeScript is both a language and a set of tools to generate JavaScript. It was designed by Anders Hejlsberg at Microsoft to help developers write enterprise-scale JavaScript. Starting with an introduction to the TypeScript language, before moving on to basic concepts, each section builds on previous knowledge in an incremental and easy-to-understand way. Advanced and powerful language features are all covered, including asynchronous programming techniques, decorators, and generics. This book explores many modern JavaScript and TypeScript frameworks side by side in order for the reader to learn their respective strengths and weaknesses. It will also thoroughly explore unit and integration testing for each framework. Best-of-breed applications utilize well-known design patterns in order to be scalable, maintainable, and testable. This book explores some of these object-oriented techniques and patterns, and shows real-world implementations. By the end of the book, you will have built a comprehensive, end-to-end web application to show how TypeScript language features, design patterns, and industry best practices can be brought together in a real-world scenario. What you will learn

- Gain insights into core and advanced TypeScript language features
- Integrate existing JavaScript libraries and third-party frameworks using declaration files
- Target popular JavaScript frameworks, such as Angular, React, and more
- Create test suites for your application with Jasmine and Selenium
- Organize your application code using modules, AMD loaders, and SystemJS
- Explore advanced object-oriented design principles
- Compare the various MVC implementations in Aurelia, Angular, React, and more

Who this book is for This guide to the TypeScript that starts with basic concepts, and then builds on this knowledge to introduce more advanced language features and frameworks. No prior knowledge of JavaScript is required, although some prior programming experience is assumed. If you are keen to learn TypeScript, this book will give you all of the necessary knowledge and skills to tackle any TypeScript project. If you are

already an experienced JavaScript or TypeScript developer, then this book will take your skills to the next level. Learn how to use TypeScript with a multitude of modern frameworks, and choose the best framework for your project requirements. Investigate techniques for Test Driven Development, explore industry-standard design patterns, and learn how to put together a full production-ready TypeScript application.

[React Cookbook](#) - Carlos Santana Roldán 2018-08-30

Over 66 hands-on recipes that cover UI development, animations, component architecture, routing, databases, testing, and debugging with React Key Features Use essential hacks and simple techniques to solve React application development challenges Create native mobile applications for iOS and Android using React Native Learn to write robust tests for your applications using Jest and Enzyme Book Description Today's web demands efficient real-time applications and scalability. If you want to learn to build fast, efficient, and high-performing applications using React 16, this is the book for you. We plunge directly into the heart of all the most important React concepts for you to conquer. Along the way, you'll learn how to work with the latest ECMAScript features. You'll see the fundamentals of Redux and find out how to implement animations. Then, you'll learn how to create APIs with Node, Firebase, and GraphQL, and improve the performance of our application with Webpack 4.x. You'll find recipes on implementing server-side rendering, adding unit tests, and debugging. We also cover best practices to deploy a React application to production. Finally, you'll learn how to create native mobile applications for iOS and Android using React Native. By the end of the book, you'll be saved from a lot of trial and error and developmental headaches, and you'll be on the road to becoming a React expert. What you will learn Gain the ability to wield complex topics such as Webpack and server-side rendering Implement an API using Node.js, Firebase, and GraphQL Learn to maximize the performance of React applications Create a mobile application

using React Native Deploy a React application on Digital Ocean Get to know the best practices when organizing and testing a large React application Who this book is for If you're a JavaScript developer who wants to build fast, efficient, scalable solutions, then you're in the right place. Knowledge of React will be an advantage but is not required. Experienced users of React will be able to improve their skills.

[React: Tools & Resources](#) - Michael Wanyoike 2017-11-07

This book is a collection of in-depth guides to some of the tools and resources most used with React, such as Jest and React Router, as well as a discussion about how React works well with D3, and a look at Preact, a lightweight React alternative. These tutorials were all selected from SitePoint's React Hub. It contains: Getting Started with Redux by Michael Wanyoike React Router v4: The Complete Guide by Manjunath M How to Test React Components Using Jest by Jack Franklin Building Animated Components, or How React Makes D3 Better by Swizec Teller Using Preact as a React Alternative by Ahmed Bouchebra

**Learning React** - Alex Banks 2017-04-27

If you want to learn how to build efficient user interfaces with React, this is your book. Authors Alex Banks and Eve Porcello show you how to create UIs with this small JavaScript library that can deftly display data changes on large-scale, data-driven websites without page reloads. Along the way, you'll learn how to work with functional programming and the latest ECMAScript features. Developed by Facebook, and used by companies including Netflix, Walmart, and The New York Times for large parts of their web interfaces, React is quickly growing in use. By learning how to build React components with this hands-on guide, you'll fully understand how useful React can be in your organization. Learn key functional programming concepts with JavaScript Peek under the hood to understand how React runs in the browser Create application presentation layers by mounting and composing React components Use component trees to manage data and reduce the

time you spend debugging applications Explore React's component lifecycle and use it to load data and improve UI performance Use a routing solution for browser history, bookmarks, and other features of single-page applications Learn how to structure React applications with servers in mind

### **Hands-On Full Stack Development with Spring Boot 2 and React** - Juha Hinkula 2019-05-23

A comprehensive guide to building full stack applications covering frontend and server-side programming, data management, and web security Key Features Unleash the power of React Hooks to build interactive and complex user interfaces Build scalable full stack applications designed to meet demands of modern users Understand how the Axios library simplifies CRUD operations Book Description React Hooks have changed the way React components are coded. They enable you to write components in a more intuitive way without using classes, which makes your code easier to read and maintain. Building on from the previous edition, this book is updated with React Hooks and the latest changes introduced in create-react-app and Spring Boot 2.1. This book starts with a brief introduction to Spring Boot. You'll understand how to use dependency injection and work with the data access layer of Spring using Hibernate as the ORM tool. You'll then learn how to build your own RESTful API endpoints for web applications. As you advance, the book introduces you to other Spring components, such as Spring Security to help you secure the backend. Moving on, you'll explore React and its app development environment and components for building your frontend. Finally, you'll create a Docker container for your application by implementing the best practices that underpin professional full stack web development. By the end of this book, you'll be equipped with all the knowledge you need to build modern full stack applications with Spring Boot for the backend and React for the frontend. What you will learn Create a RESTful web service with Spring Boot Grasp the fundamentals of dependency injection and

how to use it for backend development Discover techniques for securing the backend using Spring Security Understand how to use React for frontend programming Benefit from the Heroku cloud server by deploying your application to it Delve into the techniques for creating unit tests using JUnit Explore the Material UI component library to make more user-friendly user interfaces Who this book is for If you are a Java developer familiar with Spring, but are new to building full stack applications, this is the book for you. *React Quickly* - Azat Mardan 2017-08-20

Summary *React Quickly* is for anyone who wants to learn React.js fast. This hands-on book teaches you the concepts you need with lots of examples, tutorials, and a large main project that gets built throughout the book. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology Successful user interfaces need to be visually interesting, fast, and flowing. The React.js JavaScript library supercharges view-heavy web applications by improving data flow between UI components. React sites update visual elements efficiently and smoothly, minimizing page reloads. React is developer friendly, with a strong ecosystem to support the dev process along the full application stack. And because it's all JavaScript, React is instantly familiar. About the Book *React Quickly* is the tutorial for web developers who want to get started fast with React.js. Following carefully chosen and clearly explained examples, you'll learn React development using your existing JavaScript and web dev skills. You'll explore a host of different projects as you learn about web components, forms, and data. What's Inside Master React fundamentals Build full web apps with data and routing Test components Optimize React apps About the Reader This book is for developers comfortable building web applications with JavaScript. About the Author Azat Mardan is a Tech Fellow at Capital One with extensive experience using and teaching JavaScript and Node, and author of several books on JavaScript, Node, React, and Express. Table of Contents PART 1 -

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**Mastering Front-End Web Development (HTML, Bootstrap,  
CSS, SEO, Cordova, SVG, ECMAScript, JavaScript, WebGL,  
Web Design and many more.)** - Chong Lip Phang 2020-11-20  
As opposed to back-end web development which deals with  
servers, front-end web development focuses on the end users'  
interactions with a website on a browser. A skillful front-end web  
developer knows more than just the basics of HTML, CSS and  
JavaScript. Going beyond the major web-based languages, this  
book represents an attempt to compile all the knowledge needed  
to become a professional front-end web developer. The reader will  
be introduced to more than 200 web extensions, frameworks,  
tools, and libraries, along with a complete illustration of all Web  
APIs known to the world today. Overview: Chapter 1: Development  
Environments Chapter 2: HTML 5.2 Chapter 3: Bootstrap 5 Chapter  
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Chapter 8: ECMAScript 2020 / ES11 Chapter 9: HTML DOM Chapter  
10: Advanced Web APIs Chapter 11: jQuery 3.5 Chapter 12:  
Extensions and Tools Chapter 13: Canvas Chapter 14: WebGL \*\*  
special note: this book partially overlaps with two books by the  
same author: 1) Web Coding Bible (18 Books in 1) 2) An Effective

Guide to Modern JavaScript (ECMAScript 2017 / ES8)

The Road to Firebase - Robin Wieruch 2019-01-24

The Road to Firebase is your personal journey to master advanced  
React for business web applications in JavaScript whereas Firebase  
is used to replace everything that you would want from a backend  
application. Firebase enables you to connect your React  
application to a database, to authenticated users with your  
application with a login, logout and register mechanisms, and to  
authorize only certain users to access your application. It also  
comes with hosting capabilities and with social logins via Google,  
Facebook and more. Everything will be explained in the book while  
building a business web application yourself. I wrote the The Road  
to React with Firebase over the last two years. During this time, I  
came to understand the practical genius of Firebase, and how it  
dramatically reduces the tech stack to focus on getting sh\*t done.  
Once you have set up your starter kit project -- that's what we are  
going to do together in this book -- you are ready to iterate fast on  
your personal ideas. There is no need to complicate things by  
adding a backend application with a database to your frontend  
application, because Firebase takes care of it with a well-designed  
API. I applied the same principles as my other books: Stay  
pragmatic Keep it simple Answer the why, not just the how  
Experience a problem, solve a problem This book is not intended  
to be an end-all reference for the Firebase API nor an in-depth  
guide about the internals of Firebase. Instead, its purpose is to  
journey through learning Firebase with React the pragmatic way,  
building an entire application on this tech stack yourself. The end  
result is the foundation to make your business application a  
reality. Requirements To get the most out of this book, you should  
be familiar with the basics of web development, which includes  
knowledge of HTML, CSS and JavaScript. You will also need to be  
familiar with the term API, because APIs are used frequently for  
the applications in this book. Editor/Terminal or IDE For the  
development environment, use a running editor/terminal

(command line tool) or IDE with integrated terminal. I will provide a setup guide if you're unsure about which tools to use. The guide is set up for MacOS users, but you can find a Windows setup guide there as well. Node and NPM You will need to have node and npm installed, which are used to run the applications we'll build and manage the libraries we'll use along the way. In this book, you will install external node packages via npm (node package manager). These node packages can be libraries or whole frameworks. You can verify which node and npm versions you have in the command line: `node --version v10.11.0` `npm --version v6.5.0` These are the versions used for this publication. If you don't see output in your terminal, you will need to install node and npm. React My other book, called The Road to learn React, teaches the fundamentals about React by building a real world application. It is available for free, and after having read it, you should possess all the understanding necessary to work with the application(s) from this book. Also there will be many sidenotes to React articles that may be helpful.

**React Design Patterns and Best Practices** - Michele Bertoli  
2017-01-13

Build modular applications that are easy to scale using the most powerful components and design patterns that React can offer you right now About This Book Dive into the core patterns and components of React.js in order to master your application's design Improve their debugging skills using the DevTools This book is packed with easy-to-follow examples that can be used to create reusable code and extensible designs Who This Book Is For If you want to increase your understanding of React and apply it to real-life application development, then this book is for you. What You Will Learn Write clean and maintainable code Create reusable components applying consolidated techniques Use React effectively in the browser and node Choose the right styling approach according to the needs of the applications Use server-side rendering to make applications load faster Build high-

performing applications by optimizing components In Detail Taking a complete journey through the most valuable design patterns in React, this book demonstrates how to apply design patterns and best practices in real-life situations, whether that's for new or already existing projects. It will help you to make your applications more flexible, perform better, and easier to maintain - giving your workflow a huge boost when it comes to speed without reducing quality. We'll begin by understanding the internals of React before gradually moving on to writing clean and maintainable code. We'll build components that are reusable across the application, structure applications, and create forms that actually work. Then we'll style React components and optimize them to make applications faster and more responsive. Finally, we'll write tests effectively and you'll learn how to contribute to React and its ecosystem. By the end of the book, you'll be saved from a lot of trial and error and developmental headaches, and you will be on the road to becoming a React expert. Style and approach The design patterns in the book are explained using real-world, step-by-step examples. For each design pattern, there are hints about when to use it and when to look for something more suitable. This book can also be used as a practical guide, showing you how to leverage design patterns.

The Road to GraphQL - Robin Wieruch 2018-11-05

The Road to GraphQL is your personal journey to master pragmatic GraphQL in JavaScript. The book is full with applications you are going to build along the way with React.js and Node.js. Afterward, you will be able to implement full-stack JavaScript applications. I wrote the The Road to GraphQL over the last year, while building several GraphQL applications for my clients and for myself. During this time, I came to understand the practical genius of GraphQL, and how it dramatically improves communication in client-server architectures. Not only does it improve the interface between the client and the server, it also enhances client-side state management by eliminating remote data management.

Sophisticated GraphQL libraries like Apollo Client provide powerful features like caching, optimistic UI, and data prefetching for free. This book covers the fundamentals of GraphQL itself, as well as its ecosystem. I applied the same principles as my other books: Stay pragmatic Keep it simple Answer the why, not just the how Experience a problem, solve a problem This book is not intended to be an end-all reference for GraphQL APIs, nor an in-depth guide about the internals of the GraphQL specification. Instead, its purpose is to journey through learning GraphQL with JavaScript the pragmatic way, building client and server applications yourself. The book covers lots of facets about GraphQL in JavaScript that are important for building modern applications, without just throwing the libraries like Apollo at problems before experiencing them. It starts with the basic HTTP requests to perform GraphQL queries first, then moves on to using dedicated GraphQL libraries for it. You will even get the chance to implement your own GraphQL client library, so you understand how these libraries work under the hood. There are no hidden abstractions in this book, just plenty of fundamentals for JavaScript, React.js, Node.js, and GraphQL. Requirements To get the most out of this book, you should be familiar with the basics of web development, which includes some knowledge of HTML, CSS and JavaScript. You will also need to be familiar with the term API, because they are discussed frequently. I encourage you to join the official Slack Group for the book, help or get help from others. React On the client-side, this book uses React to teach about GraphQL in JavaScript. My other book called The Road to learn React teaches you all the fundamentals about React. It also teaches you to make the transition from JavaScript ES5 to JavaScript ES6. The book is available for free and after having read the Road to learn React, you should possess all the knowledge to implement the GraphQL client-side application with this book. Node On the server-side, this book uses Node with Express as library to teach about GraphQL in JavaScript. You don't need to know much about those technologies

before using them for your first GraphQL powered applications. The book will guide you through the process of setting up a Node application with Express and shows you how to weave GraphQL into the mix. Afterward, you should be able to consume the GraphQL API provided by your server-side application in your client-side application.

**ASP.NET Core 5 and React** - Carl Rippon 2021-01-08  
Build fully functional, cloud-ready, and professional web applications using the latest features in the .NET 5 framework and React.js with Microsoft Azure Key Features Explore the new features of .NET 5 with this updated edition of ASP.NET Core 5 and React Discover strategies for adopting a full-stack development approach, clean architecture techniques, and development best practices Learn how to manage data, design and package applications, and secure your web apps Book Description Microsoft's .NET framework is a robust server-side framework, now even more powerful thanks to the recent unification of the Microsoft ecosystem with the .NET 5 framework. This updated second edition addresses these changes in the .NET framework and the latest release of React. The book starts by taking you through React and TypeScript components for building an intuitive single-page application and then shows you how to design scalable REST APIs that can integrate with a React-based frontend. Next, you'll get to grips with the latest features, popular patterns, and tools available in the React ecosystem, including function-based components, React Router, and Redux. As you progress through the chapters, you'll learn how to use React with TypeScript to make the frontend robust and maintainable and cover key ASP.NET 5 features such as API controllers, attribute routing, and model binding to build a sturdy backend. In addition to this, you'll explore API security with ASP.NET 5 identity and authorization policies and write reliable unit tests using both .NET and React, before deploying your app on Azure. By the end of this book, you'll have gained the knowledge you need to enhance your



C# and JavaScript skills and build full-stack, production-ready applications with ASP.NET 5 and React. What you will learn Build RESTful APIs with .NET 5 using API controllers Secure REST APIs with identity and authorization policies Create strongly typed, interactive, and function-based React components using Hooks Understand how to style React components using Emotion.js Perform client-side state management with Redux Run a range of automated tests on the frontend and backend Implement continuous integration and continuous delivery (CI/CD) processes in Azure using Azure DevOps Who this book is for If you're a web developer looking to get up to speed with full-stack web application development with .NET Core and React, this book is for you. Although the book does not assume any knowledge of React, a basic understanding of .NET Core will help you to get to grips with the concepts covered.

**Modern JavaScript Web Development Cookbook** - Federico Kereki 2018-12-26

Over 90 recipes to help you write clean code, solve common JavaScript problems, and work on popular use cases like SPAs, microservices, native mobile development with Node, React, React Native and Electron. Key Features Over 90 practical recipes to help you write clean and maintainable JavaScript codes with the latest ES8 Leverage the power of leading web frameworks like Node and React to build modern web apps Features comprehensive coverage of tools and techniques needed to create multi-platform apps with JavaScript Book Description JavaScript has evolved into a language that you can use on any platform. Modern JavaScript Web Development Cookbook is a perfect blend of solutions for traditional JavaScript development and modern areas that developers have lately been exploring with JavaScript. This comprehensive guide teaches you how to work with JavaScript on servers, browsers, mobile phones and desktops. You will start by exploring the new features of ES8. You will then move on to learning the use of ES8 on servers (with Node.js), with the

objective of producing services and microservices and dealing with authentication and CORS. Once you get accustomed to ES8, you will learn to apply it to browsers using frameworks, such as React and Redux, which interact through Ajax with services. You will then understand the use of a modern framework to develop the UI. In addition to this, development for mobile devices with React Native will walk you through the benefits of creating native apps, both for Android and iOS. Finally, you'll be able to apply your new-found knowledge of server-side and client-side tools to develop applications with Electron. What you will learn Use the latest features of ES8 and learn new ways to code with JavaScript Develop server-side services and microservices with Node.js Learn to do unit testing and to debug your code Build client-side web applications using React and Redux Create native mobile applications for Android and iOS with React Native Write desktop applications with Electron Who this book is for This book is for developers who want to explore the latest JavaScript features, frameworks, and tools for building complete mobile, desktop and web apps, including server and client-side code. You are expected to have working knowledge of JavaScript to get the most out of this book.

**React Key Concepts** - Maximilian Schwarzmuller 2022-12-26 Build the understanding, skills, and experience to confidently implement React in your next project with this fast-paced overview of React fundamentals. Purchase of the print or Kindle book includes a free eBook in PDF format. Key Features A clear, concise explanation of core React 18 functionalities to promote quick, easy reference Gain a deep understanding of key React concepts with the help of step-by-step derivations Work with practical exercises that challenge you to apply your new skills and build your own simple apps Book Description As the most popular JavaScript library for building modern, interactive user interfaces, React is an in-demand framework that'll bring real value to your career or next project. But like any technology, learning React can

be tricky, and finding the right teacher can make things a whole lot easier. Maximilian Schwarzmuller is a bestselling instructor who has helped over two million students worldwide learn how to code, and his latest React video course (React — The Complete Guide) has over six hundred thousand students on Udemy. Max has written this quick-start reference to help you get to grips with the world of React programming. Simple explanations, relevant examples, and a clear, concise approach make this fast-paced guide the ideal resource for busy developers. This book distills the core concepts of React and draws together its key features with neat summaries, thus perfectly complementing other in-depth teaching resources. So, whether you've just finished Max's React video course and are looking for a handy reference tool, or you've been using a variety of other learning materials and now need a single study guide to bring everything together, this is the ideal companion to support you through your next React projects. Plus, it's fully up to date for React 18, so you can be sure you're ready to go with the latest version. What you will learn

Build modern, user-friendly, and reactive web apps  
Create components and utilize props to pass data between them  
Handle events, perform state updates, and manage conditional content  
Apply styles dynamically and conditionally to create a modern UI  
Use advanced state management techniques such as React's context API  
Utilize React router to render different pages for different URLs  
Understand key best practices and optimization opportunities

Who this book is for  
This React book is for developers who have prior experience with, or who are currently learning, the basics of React. You can use this book as a standalone resource to consolidate your understanding or as a companion guide to a more in-depth course. To get the most value from this book, you should have a basic understanding of the fundamentals of JavaScript, HTML, and CSS.

### **Full-Stack Web Development with GraphQL and React -**

Sebastian Grebe 2022-02-28

Unleash the power of GraphQL, React 17, Node, and Express to

build a scalable and production-ready application from scratch to be deployed on AWS Key Features

Build full-stack applications with modern APIs using GraphQL and React Hooks  
Integrate Apollo into React and build frontend components using GraphQL  
Implement a self-updating notification pop-up with a unique GraphQL feature called Subscriptions  
Book Description  
React and GraphQL, when combined, provide you with a very dynamic, efficient, and stable tech stack to build web-based applications. GraphQL is a modern solution for querying an API that represents an alternative to REST and is the next evolution in web development. This book guides you in creating a full-stack web application from scratch using modern web technologies such as Apollo, Express.js, Node.js, and React. First, you'll start by configuring and setting up your development environment. Next, the book demonstrates how to solve complex problems with GraphQL, such as abstracting multi-table database architectures and handling image uploads using Sequelize. You'll then build a complete Graphbook from scratch. While doing so, you'll cover the tricky parts of connecting React to the backend, and maintaining and synchronizing state. In addition to this, you'll also learn how to write Reusable React components and use React Hooks. Later chapters will guide you through querying data and authenticating users in order to enable user privacy. Finally, you'll explore how to deploy your application on AWS and ensure continuous deployment using Docker and CircleCI. By the end of this web development book, you'll have learned how to build and deploy scalable full-stack applications with ease using React and GraphQL. What you will learn

Build a GraphQL API by implementing models and schemas with Apollo and Sequelize  
Set up an Apollo Client and build frontend components using React  
Write Reusable React components and use React Hooks  
Authenticate and query user data using GraphQL  
Use Mocha to write test cases for your full-stack application  
Deploy your application to AWS using Docker and CircleCI

Who this book is for  
This React GraphQL book is for web

developers familiar with React and GraphQL who want to enhance their skills and build full-stack applications using industry standards like React, Apollo, Node.js, and SQL at scale while learning to solve complex problems with GraphQL.

**TypeScript for Beginners** - Sufyan bin Uzayr 2022-03-23

Of late, TypeScript has risen in popularity owing to its ease of use and versatile compatibility. As such, more and more developers are looking to quickly and efficiently master TypeScript. If you're looking for a detailed, yet easy to comprehend guide to TypeScript, your search ends here! The book is a detailed guide that will help learners get started with TypeScript programming in no time. It talks about the basics and then moves on to practical exercises to help readers quickly gain the required knowledge. The book is meant for both JavaScript developers and learners without a formal JS background. Furthermore, while a background in JavaScript programming might be of help, the book requires no prior coding background and can be easily mastered even by beginners. What Will You Learn: Detailed focus on TypeScript programming Introduction to TypeScript concepts and paradigm Introduction to TS architecture and components OOP programming with TS Web development in TypeScript Who Is This Book for: Web developers looking to learn TypeScript; web development beginners; JavaScript developers; and frontend developers. About the Author Sufyan bin Uzayr is a writer, coder, and entrepreneur with more than a decade of experience in the industry. He has authored several books in the past, pertaining to a diverse range of topics, ranging from History to Computers/IT. Sufyan is the Director of Parakozm, a multinational IT company specializing in EdTech solutions. He also runs Zeba Academy, an online learning and teaching vertical with a focus on STEM fields. Sufyan specializes in a wide variety of technologies, such as JavaScript, Dart, WordPress, Drupal, Linux, and Python. He holds multiple degrees, including ones in Management, IT, Literature, and Political Science. Sufyan is a digital nomad, dividing his time

between four countries. He has lived and taught in universities and educational institutions around the globe. Sufyan takes a keen interest in technology, politics, literature, history, and sports, and in his spare time, he enjoys teaching coding and English to young students. Learn more at [sufyanism.com](http://sufyanism.com)

**A Blueprint for Production-Ready Web Applications** - Dr. Philip Jones 2022-09-23

Go from setting up your production environment, to building an app, to deploying it to the web using industry best practices along the way Key Features Follow a blueprint to build production-ready apps that can be adapted and tailored to your requirements Learn how to combine a React frontend with a Quart backend, and run them in Docker on AWS Adopt industry best practices that can be used in your personal as well as work projects Book Description A Blueprint for Production-Ready Web Applications will help you expand upon your coding knowledge and teach you how to create a complete web application. Unlike other guides that focus solely on a singular technology or process, this book shows you how to combine different technologies and processes as needed to meet industry standards. You'll begin by learning how to set up your development environment, and use Quart and React to create the backend and frontend, respectively. This book then helps you get to grips with managing and validating accounts, structuring relational tables, and creating forms to manage data. As you progress through the chapters, you'll gain a comprehensive understanding of web application development by creating a to-do app, which can be used as a base for your future projects. Finally, you'll find out how to deploy and monitor your application, along with discovering advanced concepts such as managing database migrations and adding multifactor authentication. By the end of this web development book, you'll be able to apply the lessons and industry best practices that you've learned to both your personal and work projects, allowing you to further develop your coding portfolio. What you will learn Set up an optimum

development environment for building web apps  
Create a working backend Quart app that can be tailored to suit your needs  
Build a user management system with passwords and authentication  
Build a single-page application with React Router and Formik  
Deploy your app to AWS and understand the importance of monitoring  
Discover advanced concepts such as managing database migrations  
Who this book is for This book is for software engineers like recent computer science or bootcamp graduates who already know how to program and want to learn how to build an app by following standard industry processes such as continuous integration and continuous deployment (CI/CD). Working knowledge of TypeScript/JavaScript, Python, HTML, CSS, and SQL is needed. You don't, however, need prior experience with Quart, React, AWS, and all other specific technologies and processes, as they will be introduced in the book.

**React, React Router, & React Native** - Chong Lip Phang  
2021-11-01

React is perhaps the most important front-end web framework today. This book goes beyond the basics of React and introduces to the reader equally essential related libraries and tools. Particularly, React Router allows you to host your app across different URLs, and React Native makes it possible to build native apps that can work offline and get uploaded to app stores such as Google Play Store and Apple App Store. (Note: This book extensively reorganizes the information of the official guides, elaborates on advanced concepts, and presents many extra topics. However, a few parts follow the guides somewhat closely. With due respect to the original writers, it is pointless to make changes to good writing.)

*Build Applications with Meteor* - Dobrin Ganev 2017-05-30

Build a variety of cross-platform applications with the world's most complete full-stack JavaScript framework— Meteor  
About This Book Develop a set of real-world applications each exploring different features of Meteor  
Make your app more appealing by

adding reactivity and responsiveness to it  
Work with the most powerful feature of Meteor—the “full stack reactivity”—through building real-time applications with many third party libraries  
Who This Book Is For If you are a developer who is looking forward to taking your application development skills with Meteor to next level by getting your hands-on different projects, this book is for you.  
What You Will Learn See how Meteor fits in the modern web application development by using its reactive data system  
Make your front-end behave consistently across environments by implementing a predictable state container with Redux  
Get familiar with React and overview of Angular 2  
Add a map to your application with a real-time geolocation  
Plugin into Meteor social media APIs like Twitter's streaming and Facebook's Messenger  
Add search functionality from scratch to your existing app and data  
Add responsiveness with Bootstrap 4 and Google's Material Design using Less and Sass  
Distribute your data across machines and data centers by adding Apache Cassandra to your existing stack.  
Learn how to scale your microservices with the high performant language neutral framework gRPC.  
Learn how to query multiple data sources using GraphQL.  
In Detail This book starts with the basic installation and overview of the main components in Meteor. You'll get hands-on multiple versatile applications covering a wide range of topics from adding a front-end views with the hottest rendering technology React to implementing a microservices oriented architecture.  
All the code is written with ES6/7 which is the latest significantly improved JavaScript language. We'll also look at real-time data streaming, server to server data exchange, responsive styles on the front-end, full-text search functionality, and integration of many third-party libraries and APIs using npm.  
By the end of the book, you'll have the skills to quickly prototype and even launch your next app idea in a matter of days.  
Style and Approach This book takes an easy-to-follow project-based approach. Each project starts with the goal of what you will learn and an overview the technologies used.