

Getting Started With Meteor Js Javascript Framework Strack Isaac

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Meteor in Action - Stephan Hochhaus 2015-09-17
Summary Meteor in Action teaches you full-stack web development using the Meteor platform. It starts with an overview of a Meteor application, revealing the unique nature of Meteor's end-to-end application model. Then you'll dive into the Blaze templating engine, discover Meteor's reactive data sources model, learn simple and advanced routing techniques, and practice managing users, permissions, and roles. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Book You might call Meteor a reactive, isomorphic, full-stack web development framework. Or, like most developers who have tried it, you might just call it awesome. Meteor is a JavaScript-based framework for both client and server web and mobile applications. Meteor applications react to changes in data instantly, so you get impossibly responsive user experiences, and the consistent build process, unified front- and back-end package system, and one-command deploys save you time at every step from design to release. Meteor in Action teaches you full-stack web development with Meteor. It starts by revealing the unique nature of Meteor's end-to-end application model. Through real-world scenarios, you'll dive into the Blaze templating engine, discover Meteor's reactive data sources model, learn routing techniques, and practice

managing users, permissions, and roles. Finally, you'll learn how to deploy Meteor on your server and scale efficiently. What's Inside Building your first real-time application Using MongoDB and other reactive data sources Creating applications with Iron Router Deploying and scaling your applications About the Reader Readers need to know the basics of JavaScript and understand general web application design. About the Authors Stephan Hochhaus and Manuel Schoebel are veteran web developers who have worked with Meteor since its infancy. Table of Contents PART 1 LOOK—A SHOOTING STAR! A better way to build apps My fridge! A reactive gamePART 2 3, 2, 1—IMPACT! Working with templates Working with data Fully reactive editing Users, authentications, and permissions Exchanging data Routing using Iron.Router The package system Advanced server methods PART 3 LEAVING THE CRATER Building and debugging Going into production

Web Technology - Akshi Kumar 2018-08-06
This book intends to expound the complete concept of Web in Theory, Web in Research and Web in Practice with the help of worked out examples for better understanding. Planned as a comprehensive reading for beginners and a reference for advanced learners, the book includes latest developments and approaches related to the World Wide Web.

The Scalyr Guide to Getting Started Logging as Quickly as Possible - Scalyr 2019-04-07

With the almost constant scaling of applications and environments, the need for good logging practices has likewise scaled exponentially. This book will help you understand the value of logging, the best practices for logs and introduce you to a number of tech stacks including languages and frameworks. It's the ultimate resource for jumping into a new language or discovering new tricks in a familiar one. And you'll learn the value that centralized logging brings on scale. All proceeds from this book will be donated by Scalyr to Girls Who Code

Advanced Blockchain Technology - Liang Cai 2022-08-25

This book is a must-have for blockchain developers who want to learn from scratch how to leverage blockchain technology in a real-world setting. The first section provides a brief overview of blockchain technology, including its concepts, history, technology genre, major related companies and typical application scenarios, and presents an ecological map for the blockchain industry by comparing and analyzing some mainstream platforms. The second section systematically introduces Ethereum and HyperLedger, exemplars of well-known open-source blockchain platforms, and demonstrates how to conduct blockchain applications development based on the two platforms. The third section illustrates core technology of enterprise blockchain platforms (to take Hyperchain, an independent, controllable blockchain alliance as an example), and covers Hyperchain based enterprise blockchain applications development technology. The fourth section presents 6 actual blockchain-based applications examples, and analyzes applications development procedure and related key codes. Examples in this book are of great practicability and operability, allowing practitioners to get started easily, and eventually utilize these skills to develop real-life, usable blockchain applications.

Vue.js 2 Web Development Projects - Guillaume

Chau 2017-11-30

A project-based, practical guide to get hands-on into Vue.js 2.5 development by building beautiful, functional and performant web applications About This Book Build exciting real world web projects from scratch and become proefficient with Vue.js Web Development Take your app to the next level with animation, routing, state management, server-side rendering and i18n Learn professional web programming techniques to supercharge your Vue.js projects Who This Book Is For If you are a web developer who now wants to create rich and interactive professional applications using Vue.js, then this book is for you. Prior knowledge of JavaScript is assumed. Familiarity with HTML, Node.js, and tools such as npm and webpack will be helpful but not necessary. What You Will Learn Set up a full Vue.js npm project with the webpack build tool and the official scaffolding tool, vue-cli Write automatically updated templates with directives to create a dynamic web application Structure the app with reusable and maintainable components Create delightful user experiences with animations Use build tools and preprocessor to make larger professional applications Create a multi-page application with the official Vue.js routing library Integrate non-Vue.js elements into your apps like Google Maps Use the official state-management library to prevent errors Optimize your app for SEO and performance with server-side rendering and internationalization In Detail Do you want to make your web application amazingly responsive? Are you unhappy with your app's performance and looking forward to trying out ways to make your app more powerful? Then Vue.js, a framework for building user interfaces, is a great choice, and this book is the ideal way to put it through its paces. This book's project-based approach will get you to build six stunning applications from scratch and gain valuable insights in Vue.js 2.5. You'll start by learning the basics of Vue.js and create your first web app using directives along with rich and attractive user experiences. You will learn about

animations and interactivity by creating a browser-based game. Using the available tools and preprocessor, you will learn how to create multi-page apps with plugins. You will create highly efficient and performant functional components for your app. Next, you will create your own online store and optimize it. Finally, you will integrate Vue.js with the real-time Meteor library and create a dashboard showing real-time data. By the end of this book you will have enough skills and will have worked through enough examples of real Vue.js projects to create interactive professional web applications with Vue.js 2.5. Style and approach Project-based guide that will help you start building applications immediately with an easy to follow approach. Our book will have 6 concrete projects. It will take readers through clear and logical steps, with screenshots and tips along the way to help you follow the guide and learn how to get more from Vue.js.

Proceedings of the XV International symposium Symorg 2016 - Ondrej Jaško 2016-06-03

Mastering MeteorJS Application Development - Jebin B V 2015-12-30

MeteorJS makes full-stack JavaScript Application Development simple – Learn how to build better modern web apps with MeteorJS, and become an expert in the innovative JavaScript framework About This Book Get your dream project up and running by building exceptional MeteorJS applications in a matter of days Learn how to integrate other JavaScript frameworks into your MeteorJS project and become an expert in full-stack development Go beyond coding and learn how to make modern design decisions – from mobile design to SEO – that drive great user experiences Who This Book Is For If you've already had some experience with MeteorJS but want to learn how to build even better modern web application, this book has been created for you. It provides you with a comprehensive look at one of those most important frameworks being used for the modern web today.

What You Will Learn Get to grips with the basics and learn how to build a complete real-time application with MeteorJS Find out how Meteor makes full-stack development simple – become a better developer, fast. Use some of the most effective testing tools in modern web development to troubleshoot, debug and optimize your app Find out how to write custom packages for applications – so you can build your project exactly how you want Integrate React and Angular into your project Design and develop high quality animations that will give your UI the edge Build MeteorJS to serve as REST-based application and reactive system Learn how to host a MeteorJS application and then scale it for data Find out how MeteorJS can help you build for mobile Learn how to make sure you implement an effective SEO strategy in your MeteorJS application In Detail The web is dead – applications now rule our online experiences. But how are you going to build them? Well, if you've been paying attention, you might already have tried your hand with MeteorJS, the JavaScript framework that helps you build complete full-stack web applications that are responsive and fast with ease. Mastering MeteorJS Application Development shows you how to do even more with MeteorJS – if you're ready to try a comprehensive course through one of the most exciting frameworks in web development today, this is the book you need. Designed to take you through the entire process of building an advanced multipage application with Meteor, you'll be able to bring your web development ideas with surprising ease. You'll not only learn how Meteor makes web development easier, but also how you can make using Meteor easier, by automating and simplifying tasks so you can be confident you have full control of everything in your workflow – especially everything that could go wrong. From automated testing to integrating other useful frameworks such as Angular and D3, each chapter covers a crucial element in the Meteor development process. Discover how to integrate animations using

Meteor's Blaze, to give your UI designs the edge, and explore reactive programming to effectively harness RESTful systems in your projects. You will also learn how to deploy and scale your application, two crucial aspects of modern development and vital in a changing digital environment with users expecting a product and experience that delivers. With further insights on developing for mobile – and how Meteor can help you tackle the challenges of the trend – and details on incorporating SEO strategies into your application, this book isn't just a code tutorial – it's about creating a product that users love. Style and approach This book is a practical guide that teaches you different ways to create custom packages, efficient client and server code, and more using Meteor. This book is packed with perfect examples and explanations to help you understand the concepts. With the perfect mix of theory and practical experience, it will equip you to become a professional MeteorJS developer.

Landslides and Engineered Slopes. Experience, Theory and Practice - Stefano Aversa 2018-04-17
Landslides and Engineered Slopes. Experience, Theory and Practice contains the invited lectures and all papers presented at the 12th International Symposium on Landslides, (Naples, Italy, 12-19 June 2016). The book aims to emphasize the relationship between landslides and other natural hazards. Hence, three of the main sessions focus on Volcanic-induced landslides, Earthquake-induced landslides and Weather-induced landslides respectively, while the fourth main session deals with Human-induced landslides. Some papers presented in a special session devoted to "Subareal and submarine landslide processes and hazard" and in a "Young Session" complete the books. Landslides and Engineered Slopes. Experience, Theory and Practice underlines the importance of the classic approach of modern science, which moves from experience to theory, as the basic instrument to study landslides. Experience is the key to understand the natural phenomena focusing on all the factors that play a major role. Theory is the

instrument to manage the data provided by experience following a mathematical approach; this allows not only to clarify the nature and the deep causes of phenomena but mostly, to predict future and, if required, manage similar events. Practical benefits from the results of theory to protect people and man-made works. Landslides and Engineered Slopes. Experience, Theory and Practice is useful to scientists and practitioners working in the areas of rock and soil mechanics, geotechnical engineering, engineering geology and geology.

Internet of Things (IoT) in 5G Mobile Technologies - Constandinos X. Mavromoustakis 2016-04-20

This book reports on the latest advances in the modeling, analysis and efficient management of information in Internet of Things (IoT) applications in the context of 5G access technologies. It presents cutting-edge applications made possible by the implementation of femtocell networks and millimeter wave communications solutions, examining them from the perspective of the universally and constantly connected IoT. Moreover, it describes novel architectural approaches to the IoT and presents the new framework possibilities offered by 5G mobile networks, including middleware requirements, node-centrality and the location of extensive functionalities at the edge. By providing researchers and professionals with a timely snapshot of emerging mobile communication systems, and highlighting the main pitfalls and potential solutions, the book fills an important gap in the literature and will foster the further developments of 5G hosting IoT devices.

ASP.NET Core Application Development - James Chambers 2016-11-29

This is the eBook of the printed book and may not include any media, website access codes, or print supplements that may come packaged with the bound book. Through four complete sprints, this book takes you through every step needed to build brand new cross-platform web apps with ASP.NET Core, and make them available on the Internet. You

won't just master Microsoft's revolutionary open source ASP.NET Core technology: you'll learn how to integrate the immense power of MVC, Docker, Azure Web Apps, Visual Studio and Visual Studio Code, C#, JavaScript, TypeScript, and Entity Framework. Working through the authors' carefully designed sprints, you'll start with a blank canvas, move through software architecture and design, adjusting to user feedback, recovering from mistakes, builds, testing, deployment, maintenance, refactoring, and more. Along the way, you'll learn techniques for delivering state-of-the-art software to users more rapidly and repeatably than ever before.

Building Isomorphic JavaScript Apps - Jason Strimpel 2016-09-12

Isomorphic JavaScript, often described as the holy grail of web application development, refers to running JavaScript code on both the browser client and web application server. This application architecture has become increasingly popular for the benefits of SEO, optimized page load and full control of the UI, and isomorphic libraries are being used at companies like Walmart, Airbnb, Facebook, and Netflix. With this practical book, authors Jason Strimpel and Maxime Najim provide the knowledge you need to build and maintain your own isomorphic JavaScript apps. This book includes: Part 1 identifies different classifications of isomorphic JavaScript apps, and shows you how to set up a development environment Part 2 takes you from theory to practice by showing you how to build out your own isomorphic app Part 3 takes you through existing solutions in the market today, providing you with the knowledge you need to bring isomorphic solutions into your development workflow

Enterprise Innovation - Michele Missikoff 2015-08-05

The World is changing and then also how enterprises carry out innovation needs to change. The book presents new methods and tools (from Creativity to Engineering), aimed at promoting and sustaining enterprise innovation and production

improvement. The book is primarily (but not exclusively) based on the new approaches, methods, frameworks, and tools conceived for enterprise innovation and production improvement, developed during the European Project BIVEE (Business Innovation for Virtual Enterprise Ecosystems.) Addressed topics range from Open Innovation in Virtual Enterprises to shared virtual spaces for collaborative creativity, to Innovation metrics and monitoring in the context of networked SMEs.

Hands-On TypeScript for C# and .NET Core Developers - Francesco Abbruzzese 2018-10-31

Discover how TypeScript allows you to build modern client-rich applications, thanks to its object-oriented capabilities and third-party tools like Angular and Web APIs Key Features Make a seamless transition to using TypeScript 3.1 in your development stack Work with TypeScript 3.1 in your ASP.NET Core projects to build rich applications that are easy to maintain Build, test, and integrate your own TypeScript library in real-world projects Book Description Writing clean, object-oriented code in JavaScript gets trickier and complex as the size of the project grows. This is where Typescript comes into the picture; it lets you write pure object-oriented code with ease, giving it the upper hand over JavaScript. This book introduces you to basic TypeScript concepts by gradually modifying standard JavaScript code, which makes learning TypeScript easy for C# ASP.NET developers. As you progress through the chapters, you'll cover object programming concepts, such as classes, interfaces, and generics, and understand how they are related to, and similar in, both ES6 and C#. You will also learn how to use bundlers like WebPack to package your code and other resources. The book explains all concepts using practical examples of ASP.NET Core projects, and reusable TypeScript libraries. Finally, you'll explore the features that TypeScript inherits from either ES6 or C#, or both of them, such as Symbols, Iterables, Promises, and Decorators. By the end of the book, you'll be able to apply all TypeScript

concepts to understand the Angular framework better, and you'll have become comfortable with the way in which modules, components, and services are defined and used in Angular. You'll also have gained a good understanding of all the features included in the Angular/ASP.NET Core Visual Studio project template. What you will learn Organize, test, and package large TypeScript code base Add TypeScript to projects using TypeScript declaration files Perform DOM manipulation with TypeScript Develop Angular projects with the Visual Studio Angular project template Define and use inheritance, abstract classes, and methods Leverage TypeScript-type compatibility rules Use WebPack to bundle JavaScript and other resources such as CSS to improve performance Build custom directives and attributes, and learn about animations Who this book is for If you're a C# or .NET developer looking for an easy accessible way of learning TypeScript, this book is for you.

[Meteor Design Patterns](#) - Marcelo Reyna 2015-10-21 Accelerate your code writing skills with over twenty programming patterns that will make your code easier to maintain and scale About This Book Optimize your web application for production use Build views and controllers with minimal effort that will evolve with your application Learn how to maintain a MeteorJS project while it is running in production Who This Book Is For This book is for developers who have already had an introductory course with Meteor. Basic knowledge of web development is recommended. What You Will Learn Use of Jade, Stylus, and CoffeeScript to speed up web development Increase productivity by leveraging the best packages in the community Optimize your site for load speed with advanced publishers and subscribers Leverage the aggregation framework to produce results with big data Master the intricacies of front-end development using Jeet, Bootstrap, CSS animations, and more Optimize your site for search engine visibility Secure your site with Meteor's best practices Track the live status of

your application, ensuring all errors have been taken care of In Detail With the increasing interest in NodeJS web applications, a new framework, Meteor, has joined the ranks to simplify developer workflows. Meteor is one of the few open source frameworks that has received funding since its early development stages. It builds on ideas from existing frameworks and libraries, offering developers an easy way to develop a prototype app. At the same time, it gives them the tools and flexibility to build a fully fledged production app. Meteor is the weapon of choice for start-ups in today's world. Meteor Design Patterns cuts through the jargon that most websites play with and gets to the point with simple solutions that will boost your development skills. We start off with a refresher on the basics of JavaScript programming such as templates, CoffeeScript, the Event Loop, and the Merge Box, amongst others. You then learn how to map real-world data and optimize the data's publishers to output data with the least amount of work done by the server with some subscribe and publish patterns. Next, using front-end patterns, you will learn how to create maintainable and trackable forms, and make our site crawlable by any search engine. Following this, you will see how to optimize and secure the web application and maintain applications without breaking other features. Finally, you will learn how to deploy a secure production-ready application while learning to set up modulus, compose with Oplog tracking and SSL certificates, as well as error tracking with Kadora. Throughout the book, you will put your skills to practice and build an online shop from scratch. By the end of the book, you will have built a feature-rich online shop. Style and approach The book is a practical handbook on how to build an e-commerce web app using Meteor. Every topic ties into the webapp to easily illustrate the concepts that you are learning about.

Freelance Web Developer 101 - HowExpert 2019-04-12

You probably use websites every day, but have you

ever thought about building them? With the help of this book, now you can! In this exceptional step-by-step guide, you'll learn what web development is all about, which resources will help you master it, and how you can build stunning and interactive websites. After instructing you on how to create your own personal web portfolio, the author will take you through all the major web development languages and technologies, including the following:

- HTML • CSS • JavaScript • Bootstrap and jQuery • PHP and MySQL • WordPress

Each of these chapters contains best practices and tips for success as well as a "Show Your Skills" section with practical and fun project ideas for you to apply what you're learning. For example, "Write a JavaScript program that will run the game Chutes and Ladders thousands of times and determine the minimum, maximum, and average number of turns to win." Lastly, you'll find out how to transform your newfound hobby into a profitable career by becoming a freelance web developer. The author will share tips for perfecting your portfolio and finding clients, especially through the popular freelancing website Upwork. If you've ever been curious about web development but didn't know where to start, this book is for you! Come and embrace both your creativity and logic by delving into the wonderful world of web development!

About the Expert: Liz Kazandzhy is a passionate web developer who also greatly enjoys writing and editing. As the daughter of a software engineer, she has always had a knack for technology, so when she stumbled upon web development in 2016, it was love at first keystroke. She studied it voraciously and began building websites related to her personal interests, like RandomScriptureVerse.com. In time, she started branching out and building websites for others, like JonathanWhitlockArt.com. Liz currently lives in Orem, UT, with her husband Vlad and two energetic young daughters, Katya and Sophia. In the rare moments when the kids are asleep and the housework is done, she enjoys reading, writing, and developing websites.

HowExpert publishes quick 'how to' guides on all topics from A to Z by everyday experts.

Learning Underscore.js - Alex Pop 2015-10-30

Explore the Underscore.js library by example using a test-driven development approach About This Book Understand and learn to apply functional programming principles using the built-in functions of Underscore.js Leverage and reuse Underscore.js-based code to create code that targets client, server, or database contexts Take Underscore.js further by reusing code between client and server and by learning about other closely related libraries Who This Book Is For If you are a developer with fundamental JavaScript knowledge and want to use modern JavaScript libraries to extend your functional programming skills, then Underscore.js is an important library you should be familiar with. What You Will Learn Reference and call Underscore.js functions using a modern JavaScript development workflow Apply Underscore.js to JavaScript arrays, objects, and functions Take advantage of object-oriented or functional programming techniques with Underscore.js Leverage Underscore.js to create code that targets client, server, or database contexts Extend Underscore.js functionality with other closely related libraries Reuse Underscore.js-based code between client and server applications Prepare for the upcoming JavaScript standard ECMAScript 6 and support older browsers In Detail Underscore.js is one of the most popular modern JavaScript libraries used for functional programming. It can be used as a base for building complex JavaScript applications in a sustainable manner and for building other JavaScript libraries. It embraces functional programming principles but is not opinionated and can be used with imperative, object-oriented, functional, or other programming styles. This book explores how to use Underscore.js to power your code and understand modern JavaScript development concepts while applying a lightweight and efficient workflow to build applications. The book starts with an incremental

Underscore.js introduction by exploring key JavaScript concepts. You will then explore the basic features of Underscore.js in action and establish a lightweight development workflow that allows the provided examples to be guided by tests. The book then covers the functionality of Underscore.js with in-depth examples and explanations for understanding and applying the Underscore.js API. You'll also learn how to use Underscore.js as a base for your own modules and libraries within an object-oriented or functional programming style, and will be able to explore Underscore.js use cases in different environments. Eventually, you'll learn about libraries that are closely related with Underscore.js, how to share code between client and server, and how to prepare for the upcoming JavaScript standard ECMAScript 6. Style and approach This book takes an example-driven approach to describing some of the essential JavaScript concepts and practices that are useful for building sustainable applications.

Web Development with MongoDB and Node -

Bruno Joseph D'mello 2017-09-29

Use the two popular web development stacks, Node.js and MongoDB, to build full-featured web applications About This Book Learn the new ECMAScript along with Node 8 and MongoDB to make your application more effective. Get the up-to-date information required to launch your first application prototype using the latest versions of Node.js and MongoDB. A practical guide with clear instructions to designing and developing a complete web application from start to finish using trending frameworks such as angular4 and hapi Who This Book Is For The book is designed for JavaScript developers of any skill level who want to get up-and-running using Node.js and MongoDB to build full-featured web applications. A basic understanding of JavaScript and HTML is the only prerequisite for this book. What You Will Learn Work with Node.js building blocks Write and configure a web server using Node.js powered by the Express.js framework Build dynamic HTML

pages using the Handlebars template engine Persist application data using MongoDB and Mongoose ODM Test your code using automated testing tools such as the Mocha framework Automate test cases using Gulp Reduce your web development time by integrating third-party tools for web interaction. Deploy a development environment to the cloud using services such as Heroku, Amazon Web Services, and Microsoft Azure Explore single-page application frameworks to take your web applications to the next level In Detail Node.js builds fast, scalable network applications while MongoDB is the perfect fit as a high-performance, open source NoSQL database solution. The combination of these two technologies offers high performance and scalability and helps in building fast, scalable network applications. Together they provide the power for manage any form of data as well as speed of delivery. This book will help you to get these two technologies working together to build web applications quickly and easily, with effortless deployment to the cloud. You will also learn about angular 4, which consumes pure JSON APIs from a hapi server. The book begins by setting up your development environment, running you through the steps necessary to get the main application server up-and-running. Then you will see how to use Node.js to connect to a MongoDB database and perform data manipulations. From here on, the book will take you through integration with third-party tools to interact with web apps. You will see how to use controllers and view models to generate reusable code that will reduce development time. Toward the end, the book supplies tests to properly execute your code and take your skills to the next level with the most popular frameworks for developing web applications. By the end of the book, you will have a running web application developed with MongoDB, Node.js, and some of the most powerful and popular frameworks. Style and approach A practical guide with clear instructions to designing and developing a complete web application from start to finish

Full Stack JavaScript - Azat Mardan 2015-12-30

This is a hands-on book which introduces you to agile JavaScript web and mobile software development using the latest cutting-edge front-end and back-end technologies including: Node.js, MongoDB, Backbone.js, Parse.com, Heroku and Windows Azure. Practical examples include building multiple versions of the Chat app: jQuery + Parse.com JS REST API • Backbone and Parse.com JS SDK • Backbone and Node.js • Backbone and Node.js + MongoDB The Chat application has all the foundation of a typical web/mobile application: fetching data, displaying it, submitting new data. Other examples in the book are as follows: jQuery + Twitter RESP API “Tweet Analyzer” • Parse.com “Save John” • MongoDB “Print Collections” • Backbone.js “Apple Database” • Monk + Express.js “REST API Server” This book will save you many hours by providing a hand-picked and tested collection of quick start guides. RPJS has practical examples that allow to spend less time learning and more time building your own applications. Prototype fast and ship code that matters! What You will Learn: You should expect a basic understanding from a collection of quick start guides, tutorials and suggestions for the development apps discussed in this book. In addition to coding examples, the book covers virtually all setup and deployment step-by-step. You’ll learn from the examples of Chat web/mobile applications starting with front-end components and by the end we’ll put front-end and back-end together and deploy to the production environment. Who This Book is For: The typical programmer who wants to learn more about effective JavaScript coding.

Getting the Most Out of Node. Js Frameworks -

Sufyan Bin Uzayr 2022

ABOUT THE BOOK Gain the knowledge you need to navigate your way confidently through the ever-expanding landscape of modern JavaScript technologies. With more than 100 Node.js frameworks available and the number rising every month, it is becoming increasingly difficult to avoid

JavaScript fatigue and keep abreast of the developments that are most useful and relevant to your own projects. In such a saturated environment, the knowledge of exactly which tools will best fit your goals is invaluable. This book will guide you through the quagmire by clearly and comprehensively outlining the most practically useful Node frameworks, libraries, and tools, as well as how they might be employed in your own projects. You will learn about JavaScript frameworks, including such as Polymer, Webix, Aurelia, Svelte, and Meteor. This book will empower you to cut through the noise and learn how to achieve your career goals with the right tools meant especially for you. WHAT WILL YOU LEARN The what, why and how behind a variety of JavaScript Node frameworks, including Polymer, Aurelia, and Svelte How to choose the right Node framework for different types of projects How to ensure server-side optimization is done correctly, even if you are not a server admin Guide to such JS tools as Gulp, Grunt, and npm WHO IS THIS BOOK FOR Web developers looking to learn JavaScript; web development beginners; JavaScript developers; and frontend developers.

Meteor: Full-Stack Web Application Development -

Fabian Vogelsteller 2016-11-22

Learn how to create mobile and full-stack web applications in JavaScript by getting a deeper insight into Meteor About This Book This step-by-step tutorial will show you how to build fast, complex web applications Over 65 hands-on recipes help you build and deploy elegant web applications Optimize your web application for production use Who This Book Is For If you are a web developer who is familiar with Meteor and has basic knowledge of web development, and you now want to explore new paradigms of single-page, real-time applications, this course is perfectly suited for you. What You Will Learn Secure your site with Meteor best practices Create reactive templates that update themselves when data changes Add routing to a single-page application and make it appear like

a real website Make your own Meteor packages and see how to make them public Rapidly build robust, responsive user interfaces Publish your own reusable custom packages Optimize your site for load speed with advanced publishers and subscribers Master the intricacies of front-end development using Jeet, Bootstrap, CSS animations, and more Leverage the aggregation framework to produce results with big data Optimize your site for search engine visibility In Detail Meteor is best JavaScript development platform and is packed with collections of libraries and packages bound together in a tidy way to take care of everything from development to production, making your web development easier. This course follows a learning path divided into three modules. Each module is a mini course in its own right, taking your knowledge to a new level as you progress. The first module takes you from the installation of Meteor to building a fully working web blog (including back end) to create and edit posts. Your path will begin with the basic concepts and folder structure of a Meteor project, learning how Meteor templates work to test packages, and seeing the application itself. The second module is a cookbook that starts with simple recipes designed for quick reference, and culminating advanced recipes that walk you through building and deploying a complete application. The cookbook covers all the major areas of Meteor development, including lesser-known and undocumented features too. With all the important concepts covered in the previous modules, the third module will get you equipped with simple solutions to boost your development skills. You'll learn about mapping of real-world data and optimizing it, how to optimize and secure web applications and how to deploy and maintain it without breaking its features. Throughout the module, you will put your skills into practice and build an online shop from scratch. This Learning Path combines some of the best that Packt has to offer in one complete, curated package. It includes content from the following Packt products: Building

Single-page Web Apps with Meteor, Fabian Vogelsteller Meteor Cookbook, Isaac Strack Meteor Design Patterns, Marcelo Reyna Style and approach This practical handbook has a step-by-step approach to help you improve your developer skills and efficiently built web applications using Meteor. *Meteor Programming in 24 Hours, Sams Teach Yourself* - Stephen O'Brien With Meteor, you can build powerful web and mobile apps stunningly fast -- including the apps that drive tomorrow's winning cloud-based businesses! Now, in just 24 lessons of one hour or less, you can learn all the skills and techniques you'll need. Each short, easy lesson in Meteor in 24 hours, Sams Teach Yourself builds on all that's come before. You'll learn all of Meteor's capabilities as you craft three powerful apps packed with code you'll actually want to reuse: Twitter Mapper: A web app that plots geolocation data from tweets in real-time on a world map, and lets you filter them by those you follow or by hashtag A complete bulletin board system with profiles, groups, OAuth support for signup through social networks, messaging, and chat rooms A stock portfolio manager, with charting, market quote integration, reporting, and a complete dashboard Stephen O'Brien reviews the basics of JavaScript within Meteor's framework, and then shifts to CoffeeScript to take advantage of its exceptionally readable syntax. Similarly, you'll review all you need to know about CSS, and then switch to Sass, the world's most popular and powerful CSS pre-processor. As you work, you'll master techniques including fully responsive design, effective source code management, unit testing, cloud hosting, the use of pre-built packages to save time, and much more: Setting up your Meteor IDE, and getting started fast Programming Meteor like a pro, from the very beginning Extending Meteor packages to get instant gratification Linking to Twitter's API Building modern user interfaces Manipulating and securing data Integrating social features into your web apps Adding dashboards, interactive charts, and advanced

visualizations Improving security: passwords, hashes, salts, and browser policy lockdown Step-by-step instructions walk you through common questions, issues, and tasks; Q-and-As, Quizzes, and Exercises build and test your knowledg "Did You Know?" tips offer insider advice and shortcuts; and "Watch Out!" alerts help you avoid pitfalls. By the time you're finished, you'll be comfortable building virtually anything with Meteor -- including apps that create high-profit cloud-based businesses!

The Web Development Glossary - Jens Oliver Meiert 2020-04-07

The Web Development Glossary is probably the largest of its kind. With more than 2,000 terms and explanations it acquaints and reunites you with the major standards and concepts of the Web, with HTML, CSS, JavaScript, accessibility, security, performance, code quality, internationalization, localization, editors and tooling and more. The glossary then goes beyond web development, touching on computer science, design, typography, usability and user experience, information as well as project management, other disciplines of interest and relevance to the modern developer. It goes beyond, inspiring the curiosity to learn more about the Web and the people creating and using it. And still it is a glossary, of a couple of thousand terms for developers, leaning on (and giving back to) Wikipedia and the MDN Web Docs. → This is the book if you choose to extend and validate your web and software development knowledge.

FinTech - Parag Y Arjunwadkar 2018-04-17
Everything that we know about the world of finance is changing before us. Innovation is happening constantly, despite the protests of the traditional financial industry. With all the new technology that we have today, it is almost mind-blowing to think about the kind of technology that we will have in another ten years or so. The change is going to keep coming, the only thing we can do is get on board with it. This book introduces the basics of FinTech and equips readers with the knowledge to get on the cutting edge of age we

live in today.

Getting Started with Meteor.js JavaScript Framework - Isaac Strack 2015-06-30

Meteor is one of the most popular development platforms available today, allowing you to create and deploy mobile and web applications in a fraction of the time needed by other JavaScript frameworks.

Getting Started with Meteor.js JavaScript

Framework Second Edition is an easy to follow, step-by-step approach to learning how to build modern web applications with Meteor. You will begin with a look "under the hood" to see what makes Meteor so special. Next, you will build a complete, working application from scratch, gaining a thorough understanding of Meteor's major features including: data on the wire, web templates, declarative programming, full-stack reactivity, modularity, third-party packages, and MongoDB/NoSQL databases. Finally, you will learn how to harden your app, prepare it for production release, and quickly deploy it using Meteor's public servers or your own custom server. With updated screenshots and code, this second edition will show you exactly why Meteor is the choice for rapid, elegant application development.

Hands-on Machine Learning with JavaScript - Burak Kanber 2018-05-29

A definitive guide to creating an intelligent web application with the best of machine learning and JavaScript Key Features Solve complex computational problems in browser with JavaScript Teach your browser how to learn from rules using the power of machine learning Understand discoveries on web interface and API in machine learning Book Description In over 20 years of existence, JavaScript has been pushing beyond the boundaries of web evolution with proven existence on servers, embedded devices, Smart TVs, IoT, Smart Cars, and more. Today, with the added advantage of machine learning research and support for JS libraries, JavaScript makes your browsers smarter than ever with the ability to learn patterns and reproduce them to become a part of innovative

products and applications. Hands-on Machine Learning with JavaScript presents various avenues of machine learning in a practical and objective way, and helps implement them using the JavaScript language. Predicting behaviors, analyzing feelings, grouping data, and building neural models are some of the skills you will build from this book. You will learn how to train your machine learning models and work with different kinds of data. During this journey, you will come across use cases such as face detection, spam filtering, recommendation systems, character recognition, and more. Moreover, you will learn how to work with deep neural networks and guide your applications to gain insights from data. By the end of this book, you'll have gained hands-on knowledge on evaluating and implementing the right model, along with choosing from different JS libraries, such as NaturalNode, brain, harthur, classifier, and many more to design smarter applications. What you will learn

- Get an overview of state-of-the-art machine learning
- Understand the pre-processing of data handling, cleaning, and preparation
- Learn Mining and Pattern Extraction with JavaScript
- Build your own model for classification, clustering, and prediction
- Identify the most appropriate model for each type of problem
- Apply machine learning techniques to real-world applications
- Learn how JavaScript can be a powerful language for machine learning

Who this book is for This book is for you if you are a JavaScript developer who wants to implement machine learning to make applications smarter, gain insightful information from the data, and enter the field of machine learning without switching to another language. Working knowledge of JavaScript language is expected to get the most out of the book.

Introducing Ethereum and Solidity - Chris Dannen
2017-03-16

Learn how to use Solidity and the Ethereum project – second only to Bitcoin in market capitalization. Blockchain protocols are taking the world by storm, and the Ethereum project, with its

Turing-complete scripting language Solidity, has rapidly become a front-runner. This book presents the blockchain phenomenon in context; then situates Ethereum in a world pioneered by Bitcoin. See why professionals and non-professionals alike are honing their skills in smart contract patterns and distributed application development. You'll review the fundamentals of programming and networking, alongside its introduction to the new discipline of crypto-economics. You'll then deploy smart contracts of your own, and learn how they can serve as a back-end for JavaScript and HTML applications on the Web. Many Solidity tutorials out there today have the same flaw: they are written for “advanced” JavaScript developers who want to transfer their skills to a blockchain environment. Introducing Ethereum and Solidity is accessible to technology professionals and enthusiasts of all levels. You'll find exciting sample code that can move forward real world assets in both the academic and the corporate arenas. Find out now why this book is a powerful gateway for creative technologists of all types, from concept to deployment. What You'll Learn

- See how Ethereum (and other cryptocurrencies) work
- Compare distributed apps (dapps) to web apps
- Write Ethereum smart contracts in Solidity
- Connect Ethereum smart contracts to your HTML/CSS/JavaScript web applications
- Deploy your own dapp, coin, and blockchain
- Work with basic and intermediate smart contracts

Who This Book Is For Anyone who is curious about Ethereum or has some familiarity with computer science

- Product managers, CTOs, and experienced JavaScript programmers

Experts will find the advanced sample projects in this book rewarding because of the power of Solidity

[Internet of Things with ESP8266](#) - Marco Schwartz
2016-07-29

Build amazing Internet of Things projects using the ESP8266 Wi-Fi chip

About This Book Get to know the powerful and low cost ESP8266 and build interesting projects in the field of Internet of Things

Configure your ESP8266 to the cloud and

explore the networkable modules that will be utilized in the IoT projects This step-by-step guide teaches you the basics of IoT with ESP8266 and makes your life easier Who This Book Is For This book is for those who want to build powerful and inexpensive IoT projects using the ESP8266 WiFi chip, including those who are new to IoT, or those who already have experience with other platforms such as Arduino. What You Will Learn Control various devices from the cloud Interact with web services, such as Twitter or Facebook Make two ESP8266 boards communicate with each other via the cloud Send notifications to users of the ESP8266, via email, text message, or push notifications Build a physical device that indicates the current price of Bitcoin Build a simple home automation system that can be controlled from the cloud Create your own cloud platform to control ESP8266 devices In Detail The Internet of Things (IoT) is the network of objects such as physical things embedded with electronics, software, sensors, and connectivity, enabling data exchange. ESP8266 is a low cost WiFi microcontroller chip that has the ability to empower IoT and helps the exchange of information among various connected objects. ESP8266 consists of networkable microcontroller modules, and with this low cost chip, IoT is booming. This book will help deepen your knowledge of the ESP8266 WiFi chip platform and get you building exciting projects. Kick-starting with an introduction to the ESP8266 chip, we will demonstrate how to build a simple LED using the ESP8266. You will then learn how to read, send, and monitor data from the cloud. Next, you'll see how to control your devices remotely from anywhere in the world. Furthermore, you'll get to know how to use the ESP8266 to interact with web services such as Twitter and Facebook. In order to make several ESP8266s interact and exchange data without the need for human intervention, you will be introduced to the concept of machine-to-machine communication. The latter part of the book focuses more on projects, including a door lock controlled

from the cloud, building a physical Bitcoin ticker, and doing wireless gardening. You'll learn how to build a cloud-based ESP8266 home automation system and a cloud-controlled ESP8266 robot. Finally, you'll discover how to build your own cloud platform to control ESP8266 devices. With this book, you will be able to create and program Internet of Things projects using the ESP8266 WiFi chip. Style and approach This is a step-by-step guide that provides great IOT projects with ESP8266. All the key concepts are explained details with the help of examples and demonstrations of the projects.

Intelligent Tutoring Systems - Alessandro Micarelli
2016-06-01

This book constitutes the refereed proceedings of the 13th International Conference on Intelligent Tutoring Systems, ITS 2016, held in Zagreb, Croatia, in June 2016. The 20 revised full papers, 32 short papers, 35 posters, and 7 young researchers' track papers presented in this volume were carefully reviewed and selected from 147 submissions. The specific theme of the ITS 2016 conference is "Adaptive Learning in Real World Contexts". ITS 2016 covers a wide range of topics such as: intelligent tutoring; informal learning environments, learning as a side effect of interactions; collaborative and group learning, communities of practice and social networks; simulation-based learning and serious games; dialogue and discourse during learning interactions; co-adaptation between technologies and human learning; ubiquitous and mobile learning environments; empirical studies of learning with technologies, understanding human learning on the web; adaptive support for learning, models of learners, diagnosis and feedback; modeling of motivation, metacognition, and affect aspects of learning; recommender systems for learning; virtual pedagogical agents and learning companions; ontological modeling, semantic web technologies and standards for learning; multi-agent and service oriented architectures for learning and tutoring environments; educational exploitation of data

mining and machine learning techniques; instructional design principles or design patterns for educational environments; authoring tools and development methodologies for advanced learning technologies; domain-specific learning technologies, e.g. language, mathematics, reading, science, medicine, military, and industry; non conventional interactions between artificial intelligence and human learning; and privacy and security in e-learning environments.

Meteor Web Application Development Cookbook - Isaac Strack 2015-05-27

This book is meant for developers of all experience levels looking to create mobile and full-stack web applications in JavaScript. Many of the simple recipes can easily be followed by less-experienced developers, while some of the advanced recipes will require extensive knowledge of existing web, mobile, and server technologies. Any application or enterprise web developer looking to create full-stack JavaScript-based apps will benefit from the recipes and concepts covered in this book.

Building Single-page Web Apps with Meteor - Fabian Vogelsteller 2015-01-27

If you are a web developer with basic knowledge of JavaScript and want to take on Web 2.0, build real-time applications, or simply want to write a complete application using only JavaScript and HTML/CSS, this is the book for you. This book is based on Meteor 1.0.

Professional JavaScript for Web Developers - Matt Frisbie 2019-10-02

Update your skill set for ES 6 and 7 with the ultimate JavaScript guide for pros *Professional JavaScript for Web Developers* is the essential guide to next-level JavaScript development. Written for intermediate-to-advanced programmers, this book jumps right into the technical details to help you clean up your code and become a more sophisticated JavaScript developer. From JavaScript-specific object-oriented programming and inheritance, to combining JavaScript with HTML and other markup languages, expert instruction walks you

through the fundamentals and beyond. This new fourth edition has been updated to cover ECMAScript 6 and 7 (also known as ES2015 and ES2016) and the major re-imagining and departure from ES 5.1; new frameworks and libraries, new techniques, new testing tools, and more are explained in detail for the professional developer, with a practical focus that helps you put your new skills to work on real-world projects. The latest—and most dramatic—ES release is already being incorporated into JavaScript engines in major browsers; this, coupled with the rise in mobile web traffic increasing demand for responsive, dynamic web design, means that all web developers need to update their skills—and this book is your ideal resource for quick, relevant guidance. Get up to date with ECMAScript 6 and 7, new frameworks, and new libraries Delve into web animation, emerging APIs, and build systems Test more effectively with mocks, unit tests, functional tests, and other tools Plan your builds for future ES releases Even if you think you know JavaScript, new ES releases bring big changes that will affect the way you work. For a professional-level update that doesn't waste time on coding fundamentals, *Professional JavaScript for Web Developers* is the ultimate resource to bring you up to speed.

JavaScript Series - Ahmed Yasser 2019

Master Meteor (MeteorJS) and build powerful prototypes and develop cross-platform (iOS, Android, Web) code. There are ten topics within this course which cover this powerful JavaScript web framework written in Node.js: *Introducing Meteor* . Be able to explain Meteor and its functionality in this first topic in the MeteorJS course. Follow along with Ahmed and install all of the necessary software. *Meteor Collections and Schemas* . Practice creating and using collections and schemas in this second topic in the MeteorJS course. Apply one use of collections which is to access MongoDB data. *Meteor Subscription and Publication* . Apply subscription and publication in this third topic in the MeteorJS course. *Meteor Methods* .

Practice creating and using methods in this fourth topic in the MeteorJS course. Follow along with Ahmed and apply security and error handling using methods. Routing in Meteor . Apply routing in this fifth topic in the MeteorJS course. Follow along with Ahmed and install the necessary packages and then practice routing functionality. Introducing Blaze . Install and apply Blaze in this sixth topic in the MeteorJS course. Follow along with Ahmed and create user interfaces using this powerful library. Introducing Vue . Install and apply Vue in combination with Meteor in this seventh topic in the MeteorJS course. Follow along with Ahmed and create user interfaces using this powerful library. Managing Users and their Accounts in Meteor . Manage users and their accounts in Meteor in this eighth topic in the MeteorJS course. Follow along with Ahmed and practice applying user processes in Meteor such as password resets. Building a Complete Application in Meteor . Apply all of the techniques learned so far in the class and build a complete application in Meteor in this ninth topic in the MeteorJS course. Meteor Course Summary . Key learnings are recapped in this tenth topic in the MeteorJS course.

Building APIs with Node.js - Caio Ribeiro Pereira 2016-12-10

Learn how to build scalable APIs using the Node.js platform and ES6 (EcmaScript 2015) with this quick, informative guide. Developing systems for the wide range of devices available in the modern world requires the construction of APIs designed to work only with data in a centralized manner, allowing client-side applications to be developed separately and have a unique interface for the final user. Node.js has proven itself to be an excellent platform for building REST APIs because of its single-thread architecture. It has a low learning curve and can be understood by anyone who has a basic understanding of the JavaScript language. Use Building APIs with Node.js today to understand how Node.js APIs work, and how you can build your own. What You Will Learn Build scalable

APIs using the Node.js platform Use ES6, Express, Passport, ApiDoc, Mocha, Helmet and more Integrate an SQL database through Sequelize.js and build a single page application using Vanilla.js Who This Book Is For Ideal for developers who have a basic understanding of JavaScript and Node.js.

[Getting Started with Knockout.js for .NET Developers](#) - Andrey Akinshin 2015-05-27

This book is intended for .NET developers who want to use the MVVM design pattern to create powerful client-side JavaScript linked to server-side C# logic. Basic experience with ASP.NET, Razor, and creating web applications is needed.

Meteor: Full-Stack Web Application Development - Fabian Vogelsteller 2016-11-22

Learn how to create mobile and full-stack web applications in JavaScript by getting a deeper insight into MeteorAbout This Book- This step-by-step tutorial will show you how to build fast, complex web applications- Over 65 hands-on recipes help you build and deploy elegant web applications- Optimize your web application for production useWho This Book Is ForIf you are a web developer who is familiar with Meteor and has basic knowledge of web development, and you now want to explore new paradigms of single-page, real-time applications, this course is perfectly suited for you.What You Will Learn- Secure your site with Meteor best practices- Create reactive templates that update themselves when data changes- Add routing to a single-page application and make it appear like a real website- Make your own Meteor packages and see how to make them public- Rapidly build robust, responsive user interfaces- Publish your own reusable custom packages- Optimize your site for load speed with advanced publishers and subscribers- Master the intricacies of front-end development using Jeet, Bootstrap, CSS animations, and more- Leverage the aggregation framework to produce results with big data- Optimize your site for search engine visibilityIn DetailMeteor is best JavaScript development platform and is packed with collections of libraries and packages bound

together in a tidy way to take care of everything from development to production, making your web development easier. This course follows a learning path divided into three modules. Each module is a mini course in its own right, taking your knowledge to a new level as you progress. The first module takes you from the installation of Meteor to building a fully working web blog (including back end) to create and edit posts. Your path will begin with the basic concepts and folder structure of a Meteor project, learning how Meteor templates work to test packages, and seeing the application itself. The second module is a cookbook that starts with simple recipes designed for quick reference, and culminating advanced recipes that walk you through building and deploying a complete application. The cookbook covers all the major areas of Meteor development, including lesser-known and undocumented features too. With all the important concepts covered in the previous modules, the third module will get you equipped with simple solutions to boost your development skills. You'll learn about mapping of real-world data and optimizing it, how to optimize and secure web applications and how to deploy and maintain it without breaking its features. Throughout the module, you will put your skills into practice and build an online shop from scratch. This Learning Path combines some of the best that Packt has to offer in one complete, curated package. It includes content from the following Packt products:-

Building Single-page Web Apps with Meteor, Fabian Vogelsteller- Meteor Cookbook, Isaac Strack- Meteor Design Patterns, Marcelo ReynaStyle and approach This practical handbook has a step-by-step approach to help you improve your developer skills and efficiently built web applications using Meteor.

Meteor Cookbook - Isaac Strack 2015-05-27

This book is meant for developers of all experience levels looking to create mobile and full-stack web applications in JavaScript. Many of the simple recipes can easily be followed by less-experienced developers, while some of the advanced recipes

will require extensive knowledge of existing web, mobile, and server technologies. Any application or enterprise web developer looking to create full-stack JavaScript-based apps will benefit from the recipes and concepts covered in this book.

JavaScript for Modern Web Development - Alok Ranjan 2020-04-18

Beginner to Expert in Web development with JavaScript: From HTML to React-Redux KEY FEATURES - Acquire web development skills to build independent applications - Understand the basics of HTML, CSS, JavaScript, React and Redux - Create build beautiful applications using HTML, CSS, JavaScript, React and Redux - Learn how to debug and unit test your applications properly to build good end products - Follow best practices to write good quality code and build performant applications DESCRIPTION This book will take you on a complete journey of learning web development, starting right with the basics. The book begins with the history of web development and JavaScript, how it has evolved over these years, and how it still keeps growing with new features. Next, you will learn the basic pillars of web development - HTML, CSS, and JavaScript. You will learn about the functional, object-oriented programming and asynchronous behaviour, and how JavaScript provides for these. Empowered with the basics, you will proceed to learn the new features of JavaScript, ES2015, and the latest ES2019. Next, you will apply your learning to build a real application to see how the Web takes shape. At the end, you will also have an introductory section on ReactJS, one of the modern frameworks for UI development and also develop a simple weather application using React. You will be introduced to Redux as the state container for React applications. This book will conclude with an introductory look at additional topics which can be taken up to become a professional and in building enterprise level applications. WHAT WILL YOU LEARN By the end of the book, you will be building real web applications to put your knowledge to practice. This

book introduces all the concepts to get started with web application development. To further excel in this field, you really need to practice by building a lot many applications, implementing your own ideas or imitating existing websites. Also remember to practice additional examples provided in the code bundle of the book to master this field. **WHO THIS BOOK IS FOR** This book can be used by people who are completely new to software development and want to get into front-end web development by starting from basics. This book can also be used by JavaScript users for a quick reference to the fundamentals of HTML, CSS, JS, and learn ReactJS with Redux, as well as the new features in JavaScript ES2019.

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Getting the Most out of Node.js Frameworks -

Sufyan bin Uzayr 2022-03-21

ABOUT THE BOOK Gain the knowledge you need to navigate your way confidently through the ever-expanding landscape of modern JavaScript technologies. With more than 100 Node.js frameworks available and the number rising every month, it is becoming increasingly difficult to avoid JavaScript fatigue and keep abreast of the developments that are most useful and relevant to your own projects. In such a saturated environment, the knowledge of exactly which tools will best fit your goals is invaluable. This book will

guide you through the quagmire by clearly and comprehensively outlining the most practically useful Node frameworks, libraries, and tools, as well as how they might be employed in your own projects. You will learn about JavaScript frameworks, including such as Polymer, Webix, Aurelia, Svelte, and Meteor. This book will empower you to cut through the noise and learn how to achieve your career goals with the right tools meant especially for you. **WHAT WILL YOU LEARN** The what, why and how behind a variety of JavaScript Node frameworks, including Polymer, Aurelia, and Svelte How to choose the right Node framework for different types of projects How to ensure server-side optimization is done correctly, even if you are not a server admin Guide to such JS tools as Gulp, Grunt, and npm **WHO IS THIS BOOK FOR** Web developers looking to learn JavaScript; web development beginners; JavaScript developers; and frontend developers.

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.

Mastering JavaScript Single Page Application

Development - Philip Klauzinski 2016-10-28

An in-depth guide to exploring the design, architecture, and techniques behind building sophisticated, scalable, and maintainable single-page applications in JavaScript About This Book Build large-scale, feature-complete SPAs by leveraging widely used tools and techniques. Gain a solid understanding of architecture and SPA design to build applications using the library or framework of your choice. Explore the various facets of SPA development to build web apps that are fast, scalable, and easy to test. Who This Book Is For This book is ideal for JavaScript developers who want to

build complex single-page applications in JavaScript. Some basic understanding of SPA concepts will be helpful but not essential. What You Will Learn Organize your development environment using the command line with NPM, Bower, and Grunt. Choose an accurate design pattern for your app Understand modular JavaScript programming and Node.js Interact with a REST API using JavaScript and AJAX with practical examples Build a single page application using the MEAN stack Connect your app across popular social media platforms such as Facebook, Twitter, and LinkedIn Test your app, both on the server side and in views Prepare your app for the real world and deploy it to Heroku In Detail Single-page web applications—or SPAs, as they are commonly referred to—are quickly becoming the de facto standard for web app development. The fact that a major part of the app runs inside a single web page makes it very interesting and appealing. Also, the accelerated growth of browser capabilities is pushing us closer to the day when all apps will run entirely in the browser. This book will take your JavaScript development skills to the next level by teaching you to create a single-page application within a full-stack JavaScript environment. Using only JavaScript, you can go from being a front-end developer to a full-stack application developer with relative ease. You will learn to cross the boundary from front-end development to server-side development through the use of JavaScript on both ends. Use your existing knowledge of JavaScript by learning to manage a JSON document data store with MongoDB, writing a JavaScript powered REST API with Node.js and Express, and designing a front-end powered by AngularJS. This book will teach you to leverage the MEAN stack to do everything from document database design, routing REST web API requests, data-binding within views, and adding authentication and security to building a full-fledged, complex, single-page web application. In addition to building a full-stack JavaScript app, you will learn to test it with

JavaScript-powered testing tools such as Mocha, Karma, and Jasmine. Finally, you will learn about deployment and scaling so that you can launch your own apps into the real world. Style and approach
Following a structured approach, this book helps readers gain expertise in SPA development. Its

thorough coverage of SPA architecture and design, along with practical use cases, provides readers with a clear path to building applications with the library of their choice. For readers who are afraid to take the plunge straightaway, the book also offers step-by-step guidance on developing a complex web app.