

By Azat Mardan Pro Expressjs Master Expressjs The Nodejs Framework For Your Web Development 1st First Edition Paperback

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[Get Programming with
JavaScript](#) - John Larsen
2016-08-09
Summary Get Programming

with JavaScript is a hands-on introduction to programming for readers who have never programmed. You'll be writing

your own web apps, games, and programs in no time! Foreword by Remy Sharp. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Book Are you ready to start writing your own web apps, games, and programs? You're in the right place! Get Programming with JavaScript is a hands-on introduction to programming for readers who have never written a line of code. Since you're just getting started, this friendly book offers you lots of examples backed by careful explanations. As you go along, you'll find exercises to check your understanding and plenty of opportunities to practice your new skills. You don't need anything special to follow the examples—just the text editor and web browser already installed on your computer. We even give you links to working online code so you can see how everything should look live on your screen. What's Inside All the basics—objects, functions, responding to users, and more

Think like a coder and design your own programs Create a text-based adventure game Enhance web pages with JavaScript Run your programs in a web browser Four bonus chapters available online About the Reader No experience required! All you need is a web browser and an internet connection. About the Author John Larsen is a mathematics and computing teacher with an interest in educational research. He has an MA in mathematics and an MSc in information technology. He started programming in 1982, writing simple programs for teaching mathematics in 1993, building websites in 2001, and developing data-driven web-based applications for education in 2006. Table of Contents PART 1 CORE CONCEPTS ON THE CONSOLE Programming, JavaScript, and JS Bin Variables: storing data in your program Objects: grouping your data Functions: code on demand Arguments: passing data to functions Return values: getting data from functions Object arguments: functions

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displaying data Controllers:
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Controls: getting user input
Templates: filling placeholders
with data XHR: loading data
Conclusion: get programming
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CHAPTERS Node: running
JavaScript outside the browser
Express: building an API Polling:
repeating requests with XHR
Socket.IO: real-time messaging
Mastering Node.js - Sandro
Pasquali 2013-11-25
This book contains an extensive
set of practical examples and
an easy-to-follow approach to
creating 3D objects. This book is
great for anyone who already
knows JavaScript and who
wants to start creating 3D

graphics that run in any
browser. You don't need to
know anything about advanced
math or WebGL; all that is
needed is a general knowledge
of JavaScript and HTML. The
required materials and
examples can be freely
downloaded and all tools used
in this book are open source.

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

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.

Write Your Way To Success -

Azat Mardan 2018-12-10

Learn how to make an impact in the web world. This short book shows you that the best way to become an expert and a thought leader is to thoroughly research a topic and then publish a book on it. The great thing about writing a book is that you don't have to risk anything - all you need is a few hours of writing per week and in no time you can have your own book that you can sell, give away at conferences, and prominently feature on your resume. Since author Azat

Mardan published his first book, several high profile tech companies have tried to recruit him and his experience is not an exception! Write Your Way To Success covers everything that he has learned through publishing - see how you can do the same! What You'll Learn Create passive income Review the process of a ProgWriter Examine practical tips about publishing and marketing Who This Book Is For Any experts (or wannabe experts) in technical topics, tools, frameworks for web development, applied computer science, dev ops and QA.

Pro Node.js for Developers -

Colin J. Ihrig 2014-01-18

Since it's creation in 2009, Node.js has grown into a powerful and increasingly popular asynchronous-development framework for creating highly-scalable network applications using JavaScript. Respected companies such as Dow Jones and LinkedIn are among the many organizations to have seen Node's potential and adopted it into their businesses.

Pro Node.js for Developers provides a comprehensive guide to this exciting new technology. We introduce you to Node – what it is, why it matters and how to set it up – before diving deeply into the key concepts and APIs that underpin its operation. Building upon your existing JavaScript skills you'll be shown how to use Node.js to build both Web- and Network-based applications, to deal with data sources, capture events and deal with child processes to create robust applications that will work well in a wide range of circumstances. Once you've mastered these skills we'll go further, teaching you more advanced software engineering skills that will give your code a professional edge. You'll learn how to create easily reusable modules that will save you time through code reuse, to log and debug your applications quickly and effectively and to write code that will scale easily and reliably as the demand for your application grows.

Practical Node.js - Azat Mardan
2018-08-17

Learn how to build a wide range of scalable real-world web applications using a professional development toolkit. If you already know the basics of Node.js, now is the time to discover how to bring it to production level by leveraging its vast ecosystem of packages. With this book, you'll work with a varied collection of standards and frameworks and see how all those pieces fit together. Practical Node.js takes you from installing all the necessary modules to writing full-stack web applications. You'll harness the power of the Express.js and Hapi frameworks, the MongoDB database with Mongoose and MongoSkin, and the Pug and Handlebars template engines, Stylus and LESS CSS languages, OAuth and EveryAuth libraries, and the Socket.IO and Derby libraries, and everything in between. This exciting second edition is fully updated for ES6/ES2015 and also covers how to deploy to Heroku and AWS, daemonize apps, and write REST APIs. You'll build full-stack real-world

Node.js apps from scratch, and also discover how to write your own Node.js modules and publish them on NPM. You already know what Node.js is; now learn what you can do with it and how far you can take it!

What You'll Learn

- Manipulate data from the mongo console
- Use the Mongoose and MongoDB libraries
- Build REST API servers with Express and Hapi
- Deploy apps to Heroku and AWS
- Test services with Mocha, Expect and TravisCI
- Utilize sessions for authentication
- Implement a third-party OAuth strategy with Everyauth
- Apply Redis, domains, WebSockets, and clusters
- Write your own Node.js module, and publish it on NPM

Who This Book Is For

Web developers who have some familiarity with the basics of Node.js and want to learn how to use it to build apps in a professional environment.

Node.js Web Development -

David Herron 2016-06-27

Create real-time server-side applications with this practical, step-by-step guide

About This Book

Learn about server-side

JavaScript with Node.js and Node modules through the most up-to-date book on Node.js web development

Understand website development both with and without the Connect/Express web application framework

Develop both HTTP server and client applications

Who This Book Is For

This book is for anybody looking for an alternative to the "P" languages (Perl, PHP, and Python), or anyone looking for a new paradigm of server-side application development. You should have at least a rudimentary understanding of JavaScript and web application development.

What You Will Learn

- Install and use Node.js for both development and deployment
- Use the Express application framework
- Configure Bootstrap for mobile-first theming
- Use data storage engines such as MySQL, SQLITE3, and MongoDB
- Understand user authentication methods, including OAuth, with third-party services
- Deploy Node.js to live servers, including microservice

development with Docker
Perform unit testing with Mocha
Perform functional testing of the web application with CasperJS
In Detail Node.js is a server-side JavaScript platform using an event driven, non-blocking I/O model allowing users to build fast and scalable data-intensive applications running in real time. Node.js Web Development shows JavaScript is not just for browser-side applications. It can be used for server-side web application development, real-time applications, microservices, and much more. This book gives you an excellent starting point, bringing you straight to the heart of developing web applications with Node.js. You will progress from a rudimentary knowledge of JavaScript and server-side development to being able to create and maintain your own Node.js application. With this book you'll learn how to use the HTTP Server and Client objects, data storage with both SQL and MongoDB databases, real-time applications with Socket.IO,

mobile-first theming with Bootstrap, microservice deployment with Docker, authenticating against third-party services using OAuth, and much more. Style and Approach This book is a practical guide for anyone looking to develop striking and robust web applications using Node.js. *Web Development with Node and Express* - Ethan Brown 2014-07
Learn how to build dynamic web applications with Express, a key component of the Node/JavaScript development stack. In this hands-on guide, author Ethan Brown teaches you the fundamentals through the development of a fictional application that exposes a public website and a RESTful API. You'll also learn web architecture best practices to help you build single-page, multi-page, and hybrid web apps with Express. Express strikes a balance between a robust framework and no framework at all, allowing you a free hand in your architecture choices. With this book, frontend and backend

engineers familiar with JavaScript will discover new ways of looking at web development. Create webpage templating system for rendering dynamic data Dive into request and response objects, middleware, and URL routing Simulate a production environment for testing and development Focus on persistence with document databases, particularly MongoDB Make your resources available to other programs with RESTful APIs Build secure apps with authentication, authorization, and HTTPS Integrate with social media, geolocation, and other third-party services Implement a plan for launching and maintaining your app Learn critical debugging skills This book covers Express 4.0.

Understanding ECMAScript

6 - Nicholas C. Zakas

2016-08-16

ECMAScript 6 represents the biggest update to the core of JavaScript in the history of the language. In *Understanding ECMAScript 6*, expert developer Nicholas C. Zakas provides a

complete guide to the object types, syntax, and other exciting changes that ECMAScript 6 brings to JavaScript. Every chapter is packed with example code that works in any JavaScript environment so you'll be able to see new features in action. You'll learn: -How ECMAScript 6 class syntax relates to more familiar JavaScript concepts -What makes iterators and generators useful -How arrow functions differ from regular functions -Ways to store data with sets, maps, and more -The power of inheritance -How to improve asynchronous programming with promises -How modules change the way you organize code Whether you're a web developer or a Node.js developer, you'll find *Understanding ECMAScript 6* indispensable on your journey from ECMAScript 5 to ECMAScript 6.

Electron in Action - Steve Kinney 2018-10-02

Summary *Electron in Action* guides you, step-by-step, as you learn to build cross-platform desktop applications

that run on Windows, OSX, and Linux. By the end of the book, you'll be ready to build simple, snappy applications using JavaScript, Node, and the Electron framework. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology Wouldn't it be great to build desktop applications using just your web dev skills? Electron is a framework designed for exactly that! Fully cross-platform, Electron lets you use JavaScript and Node to create simple, snappy desktop apps. Spinning up tools, games, and utilities with Electron is fast, practical, and fun! About the Book Electron in Action teaches you to build cross-platform applications using JavaScript, Node, and the Electron framework. You'll learn how to think like a desktop developer as you build a text tool that reads and renders Markdown. You'll add OS-specific features like the file system, menus, and clipboards, and use Chromium's tools to distribute the finished product.

You'll even round off your learning with data storage, performance optimization, and testing. What's inside Building for macOS, Windows, and Linux Native operating system APIs Using third-party frameworks like React Deploying to the Mac App Store About the Reader Requires intermediate JavaScript and Node skills. No experience building desktop apps required. About the Author Steven Kinney is a principal engineer at SendGrid, an instructor with Frontend Masters, and the organizer of the DinosaurJS conference in Denver, Colorado. Table of Contents PART 1 - GETTING STARTED WITH ELECTRON Introducing Electron Your first Electron application PART 2 - BUILDING CROSS-PLATFORM APPLICATIONS WITH ELECTRON Building a notes application Using native file dialog boxes and facilitating interprocess communication Working with multiple windows Working with files Building application and context menus Further operating system integration and dynamically enabling menu

items Introducing the tray module Building applications with the menubar library Using transpilers and frameworks Persisting use data and using native Node.js modules Testing applications with Spectron
PART 3 - DEPLOYING ELECTRON APPLICATIONS Building applications for deployment Releasing and updating applications Distributing your application through the Mac App Store

[Express in Action](#) - Evan Hahn
2016-04-01

Summary Express in Action is a carefully designed tutorial that teaches you how to build web applications using Node and Express. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications.

About the Technology Express.js is a web application framework for Node.js. Express organizes your server-side JavaScript into testable, maintainable modules. It provides a powerful set of features to efficiently manage routes, requests, and views along with beautiful boilerplate

for your web applications. Express helps you concentrate on what your application does instead of managing time-consuming technical details. About the Book Express in Action teaches you how to build web applications using Node and Express. It starts by introducing Node's powerful traits and shows you how they map to the features of Express. You'll explore key development techniques, meet the rich ecosystem of companion tools and libraries, and get a glimpse into its inner workings. By the end of the book, you'll be able to use Express to build a Node app and know how to test it, hook it up to a database, and automate the dev process. What's Inside Simplify Node app setup with Express Testing Express applications Use Express for easy access to Node features Data storage with MongoDB Covers Express 4 and Express 5 alpha About the Reader To get the most out of this book, you'll need to know the basics of web application design and be proficient with JavaScript. About

the Author Evan Hahn is an active member of the Node and Express community and contributes to many open source JavaScript projects.

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Testing Express applications

Security Deployment: assets

and Heroku Best practices

Practical Webix - Frank

Zammetti 2018-03-10

Learn to create speedy cross-platform applications with ease using Webix. You will begin with an introduction to Webix and basic usage, exploring the interface components and utilities it offers, as well as the tools available (skin builder, form builder, and code snippet testing facility). You'll understand how Webix can integrate with other popular libraries and frameworks including Angular, Vue, React and more (as well as third-party components like dHTMLx and

rich text editors). You will learn tangential topics including communication with back-end systems (Node.js and common related tooling), packaging as a Cordova app and, of course, you will learn how to use Webix following the Progressive Web App delivery mechanism.

Offering a complete solution in a single bundle, this JavaScript UI framework provides a rich set of interface components, application architecture direction and commonly-needed utility and ancillary capabilities. Every topic will be taught a practical way, explored within the context of building real-world working apps, not through unrelated snippets. Bringing 25 years of professional development experience to the table, author Frank Zammetti uses his unique levity to teach you how to get up and running with this new and upcoming framework. What You'll Learn Explore the capabilities and UI widgets it provides and the features that make it stand out from its competitors Build one web technology-based app that

works on both desktops and mobile devices (Android and iOS) Create and hook a Webix app up to a Node.js/Express-based RESTful server API for data storage Mobilize a Webix app using both PhoneGap and Progressive Web App techniques Enhance your Webix and general development skills in the most fun way possible: by building a game Who This Book Is For Moderately experienced front-end developers who want to learn about Webix and the power it brings to client-side development. Developers looking to use their web development skills to build cross-platform apps that work on both desktop and mobile devices with Webix as the foundation. A working knowledge of CSS, HTML and JavaScript is assumed, though you don't need to be an expert. [Building Telegram Bots](#) - Nicolas Modrzyk 2018-12-05 Learn about bot programming, using all the latest and greatest programming languages, including Python, Go, and Clojure, so you can feel at ease

writing your Telegram bot in a way that suits you. This book shows how you can use bots for just about everything: they connect, they respond, they enhance your job search chances, they do technical research for you, they remind you about your last train, they tell the difference between a horse and a zebra, they can tell jokes, and they can cheer you up in the middle of the night. Bots used to be hard to set up and enhance, but with the help of [Building Telegram Bots](#) you'll see how the Telegram platform is now making bot creation easier than ever. You will begin by writing a simple bot at the start and then gradually build upon it. The simple yet effective Telegram Bot API makes it very easy to develop bots in a number of programming languages. Languages featured in the book include Node.js, Java, Rust, and Elixir. This book encourages you to not only learn the basic process of creating a bot but also lets you spend time exploring its possibilities. By the end of the book you will be

able create your own Telegram Bot with the programming language of your choice. What You Will Learn Carry out simple bot design and deployment in various programming languages including Ruby, D, Crystal, Nim, and C++ Create engaging bot interactions with your users Add payments and media capabilities to your bots Master programming language abstraction Who This Book Is For Engineers who want to get things done. People who are curious. Programming beginners. Advanced engineers with little time to do research.

Pro MERN Stack - Vasan Subramanian 2019-05-11

Assemble the complete stack required to build a modern web app using MongoDB, Express, React, and Node. This book also covers many other complementary tools: React Router, GraphQL, React-Bootstrap, Babel, and Webpack. This new edition will use the latest version of React (React 16) and the latest React Router (React Router 4), which has a significantly different approach to routing compared to React

Router 2 which was used in the first edition of the book. 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 16. 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. 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 features of React 16 to get the maximum out of this library Gain the basics of MongoDB, Express, and Node to build a web app Work with other libraries complementary to React, including React-Bootstrap, React Router, and

GraphQL Use tools such as Babel and Webpack 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.

Beginning Node.js - Basarat Syed 2014-12-02

Beginning Node.js is your step-by-step guide to learning all the aspects of creating maintainable Node.js applications. You will see how Node.js is focused on creating high-performing, highly-scalable websites, and how easy it is to get started. Many front-end devs regularly work with HTML, CSS, PHP, even WordPress, but haven't yet got started with Node.js. This book explains everything for you from a beginner level, enabling you to start using Node.js in your projects right away. Using this book you will learn

important Node.js concepts for server-side programming. You will begin with an easy-to-follow pure JavaScript primer, which you can skip if you're confident of your JS skills. You'll then delve into Node.js concepts such as streams and events, and the technology involved in building full-stack Node.js applications. You'll also learn how to test your Node.js code, and deploy your Node.js applications on the internet. Node.js is a great and simple platform to work with. It is lightweight, easy to deploy and manage. You will see how using Node.js can be a fun and rewarding experience - start today with Beginning Node.js. *Full-Stack React, TypeScript, and Node* - David Choi 2020-12-18

Discover the current landscape of full-stack development and how to leverage modern web technologies for building production-ready React.js applications to deploy on AWS Key Features Understand the architecture of React and single-page applications Build a modern Web API for your SPA

using Node.js, Express, and GraphQL. Gain a clear and practical understanding of how to build a complete full-stack application. Book Description: React sets the standard for building high-performance client-side web apps. Node.js is a scalable application server that is used in thousands of websites, while GraphQL is becoming the standard way for large websites to provide data and services to their users. Together, these technologies, when reinforced with the capabilities of TypeScript, provide a cutting-edge stack for complete web application development. This book takes a hands-on approach to implementing modern web technologies and the associated methodologies for building full-stack apps. You'll begin by gaining a strong understanding of TypeScript and how to use it to build high-quality web apps. The chapters that follow delve into client-side development with React using the new Hooks API and Redux. Next, you'll get to grips with server-side development with

Express, including authentication with Redis-based sessions and accessing databases with TypeORM. The book will then show you how to use Apollo GraphQL to build web services for your full-stack app. Later, you'll learn how to build GraphQL schemas and integrate them with React using Hooks. Finally, you'll focus on how to deploy your application onto an NGINX server using the AWS cloud. By the end of this book, you'll be able to build and deploy complete high-performance web applications using React, Node, and GraphQL. What you will learn: Discover TypeScript's most important features and how they can be used to improve code quality and maintainability. Understand what React Hooks are and how to build React apps using them. Implement state management for your React app using Redux. Set up an Express project with TypeScript and GraphQL from scratch. Build a fully functional online forum app using React and GraphQL. Add authentication to

your web app using RedisSave and retrieve data from a Postgres database using TypeORMConfigure NGINX on the AWS cloud to deploy and serve your appsWho this book is for The book is for web developers who want to go beyond front-end web development and enter the world of full-stack web development by learning about modern web technologies and how they come together. A good understanding of JavaScript programming is required before getting started with this web development book.

MEAN Web Development -

Amos Q. Haviv 2014-09-25

If you are a web or a full-stack JavaScript developer who is interested in learning how to build modern web applications using the MEAN stack, this book is for you.

Using Your Web Skills To Make Money - Azat Mardan
2018-08-22

Discover what you need to learn to thrive and master online course creation and other income generating

strategies that really work. This short book is the story of what worked and what didn't for author Azat Mardan, giving you the best tools and inspiration to achieve your monetary, career, creative, or contributorship goals. Are you happy with your current level of passive income? Do your products or businesses make you money while you're asleep? When it comes to money and passive income, the only person you can rely on is yourself. Using Your Web Skills To Make Money will navigate you past any obstacles you may face in generating multiple income streams... especially if you're doing it for the first time. What You'll Learn Create online courses in your spare time Review apprenticeships Master one-on-one coaching Understand the value of membership communities Who This Book Is For **Node.js Web Development** - David Herron 2020-07-31 Build scalable web applications using Node.js, Express.js, and the latest ECMAScript techniques, along with

deploying applications with AWS and Docker with this updated fifth edition Key Features • Learn backend web programming with the JavaScript stack • Explore best practices, right from configuring and building web servers to deploying them on a production cloud hosting system: AWS using Docker and Terraform • Work through the different stages of developing robust and scalable apps using Node.js 14 Book Description Node.js is the leading choice of server-side web development platform, enabling developers to use the same tools and paradigms for both server-side and client-side software. This updated fifth edition of Node.js Web Development focuses on the new features of Node.js 14, Express 4.x, and ECMAScript, taking you through modern concepts, techniques, and best practices for using Node.js. The book starts by helping you get to grips with the concepts of building server-side web apps with Node.js. You'll learn how to develop a complete Node.js web app, with a backend

database tier to help you explore several databases. You'll deploy the app to real web servers, including a cloud hosting platform built on AWS EC2 using Terraform and Docker Swarm, while integrating other tools such as Redis and NGINX. As you advance, you'll learn about unit and functional testing, along with deploying test infrastructure using Docker. Finally, you'll discover how to harden Node.js app security, use Let's Encrypt to provision the HTTPS service, and implement several forms of app security with the help of expert practices. With each chapter, the book will help you put your knowledge into practice throughout the entire life cycle of developing a web app. By the end of this Node.js book, you'll have gained practical Node.js web development knowledge and be able to build and deploy your own apps on a public web hosting solution. What you will learn • Install and use Node.js 14 and Express 4.17 for both web development and deployment • Implement

RESTful web services using the Restify framework • Develop, test, and deploy microservices using Docker, Docker Swarm, and Node.js, on AWS EC2 using Terraform • Get up to speed with using data storage engines such as MySQL, SQLite3, and MongoDB • Test your web applications using unit testing with Mocha, and headless browser testing with Puppeteer • Implement HTTPS using Let's Encrypt and enhance application security with Helmet Who this book is for If you're looking for an alternative to the 'P' languages (Perl, PHP, and Python), or if you want to get started with server-side web development with JavaScript programming, or if you want a deep dive into deploying services to cloud hosting, this Node.js book is for you. A rudimentary understanding of JavaScript and web application development is a must before you get started with this book. Table of Contents • About Node.js • Setting Up Node.js • Exploring Node.js Modules • HTTP Servers and Clients • Your First Express

Application • Implementing the Mobile-First Paradigm • Data Storage and Retrieval • Authenticating Users with a Microservice • Dynamic Client/Server Interaction with Socket.IO • Deploying Node.js Applications to Linux Servers • Deploying Node.js microservices with Docker • Deploying a Docker Swarm to AWS EC2 with Terraform • Unit Testing and Functional Testing • Security in Node.js Applications

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 - REACT FOUNDATION Meeting React Baby steps with React Introduction to JSX Making React interactive with states React component lifecycle events Handling events in React Working with forms in React Scaling React components Project: Menu component Project: Tooltip component Project: Timer component PART 2 - REACT ARCHITECTURE The Webpack build tool React routing Working with data using Redux Working with data using GraphQL Unit testing React with Jest React on Node and Universal JavaScript Project: Building a bookstore with React Router Project: Checking passwords with Jest Project: Implementing autocomplete with Jest, Express, and MongoDB APPENDIXES Appendix A - Installing applications used in this book Appendix B - React cheatsheet Appendix C - Express.js

cheatsheet Appendix D - MongoDB and Mongoose
cheatsheet Appendix E - ES6 for success

Express.js Deep API Reference - Azat Mardan
2014-12-27

Express.js Deep API Reference is your short, concise guide to Express.js APIs. This flexible Node.js web application framework provides a robust set of features for building single, multi-page, and hybrid web applications. Through six to-the-point chapters, you will find references for configurations, settings, environments, middleware, templating engines (including Consolidate.js), extract parameters, routing, request handlers, response, and streams. Written by Azat Mardan, the author of Pro Express.js and Practical Node.js, you will find this short, concise guide indispensable for your Express.js work.

JavaScript Bible - Danny Goodman 2010-09-23
The bestselling JavaScript reference, now updated to reflect changes in technology

and best practices As the most comprehensive book on the market, the JavaScript Bible is a classic bestseller that keeps you up to date on the latest changes in JavaScript, the leading technology for incorporating interactivity into Web pages. Part tutorial, part reference, this book serves as both a learning tool for building new JavaScript skills as well as a detailed reference for the more experienced JavaScript user. You'll get up-to-date coverage on the latest JavaScript practices that have been implemented since the previous edition, as well as the most updated code listings that reflect new concepts. Plus, you'll learn how to apply the latest JavaScript exception handling and custom object techniques. Coverage includes: JavaScript's Role in the World Wide Web and Beyond
Developing a Scripting Strategy
Selecting and Using Your Tools
JavaScript Essentials
Your First JavaScript Script
Browser and Document Objects
Scripts and HTML Documents
Programming Fundamentals
Window and

Document Objects Forms and Form Elements Strings, Math, and Dates Scripting Frames and Multiple Windows Images and Dynamic HTML The String Object The Math, Number, and Boolean Objects The Date Object The Array Object JSON - Native JavaScript Object Notation E4X - Native XML Processing Control Structures and Exception Handling JavaScript Operators Function Objects and Custom Objects Global Functions and Statements Document Object Model Essentials Generic HTML Element Objects Window and Frame Objects Location and History Objects Document and Body Objects Link and Anchor Objects Image, Area, Map, and Canvas Objects Event Objects Practical examples of working code round out this new edition and contribute to helping you learn JavaScript quickly yet thoroughly.

Getting MEAN with Mongo, Express, Angular, and Node - Simon Holmes 2019-04-22 Summary *Getting MEAN, Second Edition* teaches you how to develop full-stack web

applications using the MEAN stack. This edition was completely revised and updated to cover MongoDB 4, Express 4, Angular 7, Node 11, and the latest mainstream release of JavaScript ES2015. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology Juggling languages mid-application can radically slow down a full-stack web project. The MEAN stack—MongoDB, Express, Angular, and Node—uses JavaScript end to end, maximizing developer productivity and minimizing context switching. And you'll love the results! MEAN apps are fast, powerful, and beautiful. About the Book *Getting MEAN, Second Edition* teaches you how to develop full-stack web applications using the MEAN stack. Practical from the very beginning, the book helps you create a static site in Express and Node. Expanding on that solid foundation, you'll integrate a MongoDB database, build an API, and add an

authentication system. Along the way, you'll get countless pro tips for building dynamic and responsive data-driven web applications! What's inside MongoDB 4, Express 4, Angular 7, and Node.js 11 MEAN stack architecture Mobile-ready web apps Best practices for efficiency and reusability About the Reader Readers should be comfortable with standard web application designs and ES2015-style JavaScript. About the Author Simon Holmes and Clive Harber are full-stack developers with decades of experience in JavaScript and other leading-edge web technologies. Table of Contents

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Full Stack JavaScript

Development With MEAN -

Colin J Ihrig 2014-12-24

With modern tools, it is possible to create a production grade, full-stack application using HTML, CSS, and JavaScript alone. The combination of MongoDB, Express, AngularJS, and Node.js has become so popular that it has earned the title MEAN stack -- the subject of this book. This book explores the MEAN stack in detail. We will begin by covering Node.js, as it will lay the groundwork for all of our server-side work. You will learn how to get Node running on your local machine

as well as download modules using npm. The key aspects of the Node.js programming model will also be covered. From there, we will move on to MongoDB, where you'll learn how to interact with Mongo from a Node application. You will also learn how to create, retrieve, update, and delete data from a Mongo store. After you have a solid grasp on Node and Mongo, the book will move on to the Express web server. We'll cover the basics of Express applications via topics like routes and middleware. Building on previous chapters, we will cover the integration of Node, Mongo, and Express. Our coverage of the MEAN stack will wrap up with several chapters on AngularJS. These chapters will cover Angular fundamentals like data binding, directives, controllers, routing, and services. In an effort to explore competing technologies, a slight introduction to Ember.js will also be provided. Full stack JavaScript is not fully encompassed by the MEAN stack. There is an entire ecosystem of JavaScript tools to

learn about, and this book will introduce a few of them. We will cover task runners Gulp.js and Grunt.js which are extremely useful for automating mundane, repetitive tasks. We'll also cover JSHint, a linting tool used to improve code quality. Linting tools analyze source code and report potential issues - a feature that is especially useful in non-compiled languages like JavaScript.

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 its 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.

Learning Node.js - Marc Wandschneider 2016-12-23
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. Learning Node.js brings together the knowledge and JavaScript code needed to build master the Node.js platform

and build server-side applications with extraordinary speed and scalability. You'll start by installing and running Node.js, understanding the extensions it uses, and quickly writing your first app. Next, building on the basics, you'll write more capable application servers and extend them with today's most powerful Node.js tools and modules. Finally, you'll discover today's best practices for testing, running Node.js code on production servers, and writing command-line utilities. Throughout the book, author Marc Wandschneider teaches by walking the reader line-by-line through carefully crafted examples, demonstrating proven techniques for creating highly efficient applications and servers. The second edition updates coverage of Node.js to reflect changes in the technology and how it is used in the three years since the first edition was published:
Explanation of Node's new versioning scheme Updated coverage of Streams New coverage of installation using

pre-build installers rather than from source code New coverage of Mongoose in the section on MongoDB New information about deploying Node on Heroku and Azure Expansion of coverage on testing If you're a developer who wants to build server-side web applications with Node.js, Learning Node.js is your fastest route to success. Build Node.js solutions that leverage current JavaScript skills Master Node.js nonblocking IO and async programming Handle more requests and increase an application's flexibility Use and write modules Perform common JSON/web server tasks Use browsers to generate pages on the fly via Ajax calls and template libraries Simplify development with the Express framework Create database back-ends using popular NoSQL and relational databases Deploy and run Node.js apps on Unix/macOS or Windows servers Deploy apps to Heroku and Microsoft Azure Support virtual hosts and SSL/HTTPS security Test Node.js programs that mix synchronous, async,

and RESTful server API functionality

Write Your Way to Success -
Azat Mardan 2019

Learn how to make an impact in the web world. This short book shows you that the best way to become an expert and a thought leader is to thoroughly research a topic and then publish a book on it. The great thing about writing a book is that you don't have to risk anything - all you need is a few hours of writing per week and in no time you can have your own book that you can sell, give away at conferences, and prominently feature on your resume. Since author Azat Mardan published his first book, several high profile tech companies have tried to recruit him and his experience is not an exception! Write Your Way To Success covers everything that he has learned through publishing - see how you can do the same!

Mastering TypeScript -
Nathan Rozentals 2021-04-23

This book is a guide to the TypeScript language, from basic concepts to advanced

features, and will get you up and running quickly. You'll learn TypeScript programming in depth as you use popular application frameworks and utilize modern design patterns and architectural patterns to build modular, testable and enterprise-ready applications.

Test-driven Development -

Kent Beck 2003

About software development through constant testing.

Node.js, MongoDB and Angular Web Development - Brad

Dayley 2017-10-11

Node.js, MongoDB and Angular Web Development The definitive guide to using the MEAN stack to build web applications Node.js is a leading server-side programming environment, MongoDB is the most popular NoSQL database, and Angular is the leading framework for MVC-based front-end development. Together, they provide an easy-to-implement, fully integrated web development stack that allows web programmers to create high-performance sites and applications built completely in JavaScript, from server to

client. Updated for Angular 2, Angular 4, and subsequent versions, this new edition of Node.js, MongoDB and Angular Web Development shows you how to integrate these three technologies into complete working solutions. It begins with concise, crystal-clear tutorials on each technology and then quickly moves on to building common web applications. You'll learn how to use Node.js and MongoDB to build more scalable, high-performance sites, how to leverage Angular's innovative MVC approach to structure more effective pages and applications, and how to use all three together to deliver outstanding next-generation Web solutions. Implement a highly scalable and dynamic web server using Node.js and Express Implement a MongoDB data store for your web applications Access and interact with MongoDB from Node.js JavaScript code Learn the basics of TypeScript Define custom Angular directives that extend the HTML language Build server-side web services in JavaScript Implement client-

side services that can interact with the Node.js web server
Build dynamic browser views that provide rich user interaction
Add authenticated user accounts and nested comment components to your web applications and pages
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Express.js Guide - Azat Mardan 2014-05-28
The Comprehensive Book on Express.js
The in-depth, detailed, hand-on manual on Express.js, the most popular Node.js framework. Will get you up and running fast and save you time. Understand the concepts, learn the best practices. Become an Express.js expert today. Express.js API reference, quick start guides, 20+ meticulously explained

examples and tutorials -- over 270 pages with more than 60 illustrations. Quick Start The Interface Tips and Tricks Tutorials and Examples Why Express.js is the most popular Node.js web framework yet. As of this writing (September of 2013), there are no books that are solely dedicated to it. Its official website has bits of insights for advanced Node.js programmers. However, I found that many people -- including those who go through HackReactor7 program and come to my Node.js classes at General Assembly and pariSOMA -- are interested in a comprehensive resource. The one that would cover all the different components of Express.js work together in a real production-like application. The goal of Express.js Guide is to become such resource. What This Book is Express.js Guide is a concise book on one particular library. This book contains Express.js API 3.3.58 description, the best practices on code organization and patterns, real-world examples of web apps. The topics include

but not limited to middleware, command-line interface and scaffolding, rendering templates, extracting params from dynamic URLs, parsing payloads and cookies, managing authentication with sessions, error handling and prepping apps for production. For more details and for what exactly the book covers, please refer to the Table of Contents. What This Book is Not This book is not an introduction to Node.js, nor is it a book that covers all aspects of building a modern day web application, e.g., websockets, databases and (of course) front-end development. Keep in mind that readers also won't find in Express.js Guide a resource for learning programming and/or JavaScript fundamentals. You might want to take a look at Rapid Prototyping with JS9 for the introduction to Node.js, MongoDB and front-end development with Backbone.js. In the real-world and especially in Node.js development, due to its modularized philosophy, we seldom use just a single framework. In the book, we

have tried to stick only to Express.js and leave everything else out as much as possible, without compromising the usefulness of examples. Therefore, we intentionally left out some important chunks of web developments, for example databases, authentication and testing. Although these elements are present in tutorials and examples, they're not explained in detail. For those materials, you could check books in the Related Reading and Resources section at the end of the book. Who This Book is For This book is for people fluent in programming and front-end JavaScript. In addition, to get the most benefits, readers must be familiar with basic Node.js concepts like process and global, and know core modules, including streams, clusters and buffer type. If you're thinking of starting a Node.js app, or of rewriting an existing one, and your weapon of choice is Express.js -- this guide is for you! It will answer most of your "how" and "why" questions.

[Express.js](#) - Rick L. 2016-05-20

Express.js Guide Book on Web framework for Node.js This book is an in-depth exploration of ExpressJS, which is a Node framework. Its discussion is based on the various modules which the framework provides to its users for the purpose of development. The first part of this book is an overview of the framework so as to help the user gain some knowledge of what the framework is. The "session" property in Express is explored in this book, so you will know how to use it. The "serve-index" module for Express is also examined in the book. Cookie-sessions which are very important in web applications are discussed with no detail left out. Examples have been provided for each of the modules discussed in this book, thus, you will be able to create complex and amazing programs on your own. The module "response-time" is covered in detail, and you will learn to make use of it. The "connect-render" module and Body-parser are also discussed. The following topics are examined in this book:

Overview connect-render
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Cors Express-Paginate Multer
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Flash serve-favicon response-
time express-namespace
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Download your copy of "
Express.js" by scrolling up and
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JavaScript and Node

FUNDamentals - Azat Mardan

2014-05-29

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[Pro Express.js](#) - Azat Mardan 2014-12-22

Pro Express.js is for the reader who wants to quickly get up-to-speed with Express.js, the flexible Node.js framework. Author Azat Mardan clearly explains how to start developing with Express.js with a basic 'Hello World', and then delves into a deep API reference, before looking at common and abstract development problems. Lastly, you will learn how to build a series of real-world apps in

order to cement your knowledge. In order to get the best from this book, you will be familiar with Node.js scripts and able to install packages using npm. In the deep API reference, each aspect of the Express.js API is explained clearly with a simple exercise to demonstrate its usage. This includes configuration, settings and environments; different middleware and its uses; templating engines; extracting parameters and routing; request and response; error handling; and running an app. In the next part you'll delve into abstraction, streams, authentication, multithreading, Socket.io, security, and more complex modules. You will also learn about smaller frameworks built using Express.js, such as Sails.js, and Derby. Finally you'll build real-world apps including a REST API, Todo App, and Instagram gallery. Express.js is used by a range of well-known companies such as MySpace and Storify, and it's becoming more and more likely that it'll be a required skill for new developers. With this book you

can skip learning via complicated documentation, and get the information from a developer who's been using Express.js for long enough to explain things well. Add Pro Express.js to your library today.

Pro Express.js - Azat Mardan
2014-12-26

Pro Express.js is for the reader who wants to quickly get up-to-speed with Express.js, the flexible Node.js framework. Author Azat Mardan clearly explains how to start developing with Express.js with a basic 'Hello World', and then delves into a deep API reference, before looking at common and abstract development problems. Lastly, you will learn how to build a series of real-world apps in order to cement your knowledge. In order to get the best from this book, you will be familiar with Node.js scripts and able to install packages using npm. In the deep API reference, each aspect of the Express.js API is explained clearly with a simple exercise to demonstrate its usage. This includes configuration, settings and

environments; different middleware and its uses; templating engines; extracting parameters and routing; request and response; error handling; and running an app.

In the next part you'll delve into abstraction, streams, authentication, multithreading, Socket.io, security, and more complex modules. You will also learn about smaller frameworks built using Express.js, such as Sails.js, and Derby. Finally you'll build real-world apps including a REST API, Todo App, and Instagram gallery. Express.js is used by a range of well-known companies such as MySpace and Storify, and it's becoming more and more likely that it'll be a required skill for new developers. With this book you can skip learning via complicated documentation, and get the information from a developer who's been using Express.js for long enough to explain things well. Add Pro Express.js to your library today.

Node.js Web Development -
David Herron 2018-05-30
Create real-time applications using Node.js 10, Docker,

MySQL, MongoDB, and Socket.IO with this practical guide and go beyond the developer's laptop to cover live deployment, including HTTPS and hardened security. Key Features Learn server-side JavaScript coding through the most up-to-date book on Node.js Explore the latest JavaScript features, and EcmaScript modules Walk through different stages of developing robust applications using Node.js 10 Book Description Node.js is a server-side JavaScript platform using an event-driven, non-blocking I/O model allowing users to build fast and scalable data-intensive applications running in real time. This book gives you an excellent starting point, bringing you straight to the heart of developing web applications with Node.js. You will progress from a rudimentary knowledge of JavaScript and server-side development to being able to create, maintain, deploy and test your own Node.js application. You will understand the importance of transitioning

to functions that return Promise objects, and the difference between fs, fs/promises and fs-extra. With this book you'll learn how to use the HTTP Server and Client objects, data storage with both SQL and MongoDB databases, real-time applications with Socket.IO, mobile-first theming with Bootstrap, microservice deployment with Docker, authenticating against third-party services using OAuth, and use some well known tools to beef up security of Express 4.16 applications. What you will learn Install and use Node.js 10 for both development and deployment Use the Express 4.16 application framework Work with REST service development using the Restify framework Use data storage engines such as MySQL, SQLITE3, and MongoDB Use User authentication methods with OAuth2 Perform Real-time communication with the front-end using Socket.IO Implement Docker microservices in development, testing and deployment Perform unit testing with Mocha 5.x, and

functional testing with Puppeteer 1.1.x Work with HTTPS using Let's Encrypt, and application security with Helmet Who this book is for This book is for anybody looking for an alternative to the "P" languages (Perl, PHP, and Python), or anyone looking for a new paradigm of server-side application development. You should have at least a rudimentary understanding of JavaScript and web application development.

All of Programming - Andrew Hilton 2019-07-02

All of Programming provides a platform for instructors to design courses which properly place their focus on the core fundamentals of programming, or to let a motivated student learn these skills independently. A student who masters the material in this book will not just be a competent C programmer, but also a competent programmer. We teach students how to solve programming problems with a 7-step approach centered on thinking about how to develop an algorithm. We also teach

students to deeply understand how the code works by teaching students how to execute the code by hand. This is Edition 1 (the second edition, as C programmers count from 0). It fixes a variety of formatting issues that arose from epub conversion, most notably practice exercises are now available in flowing text mode.

Rapid Prototyping with JS -

Azat Mardan 2014-05-28

Rapid Prototyping with JS: Agile JavaScript Development 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, Backbone.js, MongoDB and others. More information at <http://rpjs.co>. This book was borne out of frustration. I have been in software engineering for many years, and when I started learning Node.js and Backbone.js, I learned the hard way that their official documentation and the Internet lack in quick start guides and

examples. Needless to say, it was virtually impossible to find all of the tutorials for JS-related modern technologies in one place. The best way to learn is to do, right? Therefore, I've used the approach of small simple examples, i.e., quick start guides, to expose myself to the new cool tech. After I was done with the basic apps, I needed some references and organization. I started to write this manual mostly for myself, so I can understand the concepts better and refer to the samples later. Then StartupMonthly and I taught a few 2-day intensive classes on the same subject -- helping experienced developers to jump-start their careers with agile JavaScript development. The manual we used was updated and iterated many times based on the feedback received. The end result is this book. What to Expect A typical reader of RPJS should expect a collection of quick start guides, tutorials and suggestions (e.g., Git workflow). There is a lot of coding and not much theory. All the theory we cover is directly

related to some of the practical aspects, and essential for better understanding of technologies and specific approaches in dealing with them, e.g., JSONP and cross-domain calls. In addition to coding examples, the book covers virtually all setup and deployment step-by-step. You'll learn on the examples of Chat web/mobile applications starting with front-end components. There are a few versions of these applications, but by the end we'll put front-end and back-end together and deploy to the production environment. The Chat application contains all of the necessary components typical for a basic web app, and will give you enough confidence to continue developing on your own, apply for a job/promotion or build a startup! Who This Book is For The book is designed for advanced-beginner and intermediate-level web and mobile developers: somebody who has been (or still is) an expert in other languages like Ruby on Rails, PHP, Perl, Python or/and Java.

The type of a developer who wants to learn more about JavaScript and Node.js related techniques for building web and mobile application prototypes fast. Our target user doesn't have time to dig through voluminous (or tiny, at the other extreme) official documentation. The goal of Rapid Prototyping with JS is not to make an expert out of a reader, but to help him/her to start building apps as soon as possible. Rapid Prototyping with JS: Agile JavaScript Development, as you can tell from the name, is about taking your idea to a functional prototype in the form of a web or a mobile application as fast as possible. This thinking adheres to the Lean Startup³⁰ methodology; therefore, this book would be more valuable to startup founders, but big companies' employees might also find it useful, especially if they plan to add new skills to their resumes. What This Book is Not Rapid Prototyping with JS is neither a comprehensive book on several frameworks, libraries or technologies (or just

a particular one), nor a reference for all the tips and tricks of web development. Examples similar to ones in this book might be publicly available online. Even more so, if you're not familiar with fundamental programming concepts like loops, if/else statements, arrays, hashes, object and functions, you won't find them in Rapid Prototyping with JS.

The Node Craftsman Book - Manuel Kiessling 2017-04-28
Become a Node.js craftsman. About This Book This book will help readers to dive deeper into software development with Node.js and JavaScript Takes a craftsman approach to Node.js and object-orientation and test-driven development Crafts many of the small details of Node.js and through to fully-fledged web applications with REST Who This Book Is For This book is written to help you if you're working with Node.js already, but you want to move your craft to the next level with Node.js, so some working knowledge of Node.js is of course already assumed, so

that we can look at the work of crafting applications with Node. What You Will Learn How to connect to databases like MongoDB and MySQL from your Node.js application How to unit tests and end-to-end tests for your code When and how to leverage migrations for setting up a continuous deployment workflow Detailed insight into how the Node Package Manager, NPM works How object-orientation actually works in JavaScript Ways to keep your code fast and efficient using asynchronous and non-blocking operations How to use and create event emitters How to use REST frameworks to write full-fledged web applications How to integrate Node.js with Angular In Detail The Node Craftsman Book helps JavaScript programmers with basic Node.js knowledge to now thoroughly master Node.js and JavaScript. This book dives you deeper into the craft of software development with Node.js and JavaScript, including object-orientation, test-driven development, database

handling, web frameworks, and much more. The Node Craftsman Book shows you how to work with Node.js and how to think deeply about how you build your Node projects. You'll master how to build a complete Node.js application across six crafting milestones, and you'll learn many specific skills to achieve that mastery. These skills include how to work with the Node Package Manager in depth, how to connect your Node applications to databases, and how to write unit tests and end-to-end tests for your code. You'll experience the full Node.js development picture, and learn how to craft and control your Node.js applications - right through to fully-fledged web applications using REST, and integration with Angular applications. Style and approach This book builds on your early knowledge and experience of Node.js and takes a craftsman approach to understanding the whole picture more deeply and shaping your Node applications to perform the way a craftsman would want. So, we take a

thoughtful and broad thinking

and coding approach to work
with Node.js in this book.