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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.

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.

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 PART 1 - SETTING THE BASELINE Introducing full-stack development Designing a MEAN stack architecture PART 2 - BUILDING A NODE WEB APPLICATION Creating and setting up a MEAN project Building a static site with Node and Express Building a data model with MongoDB and Mongoose Writing a REST API: Exposing the MongoDB database to the application Consuming a REST API: Using an API from inside Express PART 3 - ADDING A DYNAMIC FRONT END WITH ANGULAR Creating an Angular application with TypeScript Building a single-page application with Angular: Foundations Building a single-page application with Angular: The next level PART 4 - MANAGING AUTHENTICATION AND USER SESSIONS Authenticating users, managing sessions, and securing APIs Using an authentication API in Angular applications

Node.js Complete Reference Guide - Valentin Bojinov 2018-12-18
Node.js Complete Reference Guide is your one-stop solution to building highly scalable, single-language applications that share code between the server and client Key Features Explore the latest JavaScript features and EcmaScript modules Walk through different stages of developing robust applications using Node.js 10 Create rich and scalable RESTful API solutions from scratch Book Description Node.js Complete Reference Guide takes you through rudimentary knowledge of JavaScript and server-side development to create, maintain, deploy, and test your own Node.js applications. You will begin by learning how to use the HTTP Server and Client objects, store data with both SQL and

MongoDB databases, and unit test applications with Mocha 5.x, and functionally test them with Puppeteer 1.1.x. Then, you will learn to create scalable and rich RESTful applications on the Node.js platform and write a simple HTTP request handler with self-descriptive URLs. You will learn to set accurate HTTP status codes, study how to keep your applications backward-compatible and explore some authentication techniques to secure your application. Then, you will study how Node.js has emerged as a strong candidate for developing microservices. With this Learning Path, you will be able to use the best practices and create efficient microservices. This Learning Path includes content from the following Packt products: RESTful Web API Design with Node.js 10, Third Edition by Valentin Bojinov Node.js Web Development, Fourth Edition by David Herron Hands-On Microservices with Node.js by Diogo Resende What you will learn Work with REST service development using the Restify framework Use data storage engines, such as MySQL, SQLITE3, and MongoDB in apps Apply 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 Use self-descriptive URLs and set accurate HTTP status codes Deploy a cloud-native microservice to an online provider Who this book is for Node.js Complete Reference Guide is designed for web developers who have a rudimentary understanding of JavaScript and web application development, are keen to enrich their development skills to create RESTful applications, and want utilize their skills to build microservices.

Learn Node. Js by Building 6 Projects - Eduonix Learning Solutions 2018-03-30
This is an advanced, practical guide to harnessing the power of Node.js by creating 6 full-scale real-world projects, from creating a chat application to an eLearning system. Key Features Develop scalable and lightweight applications using Node.js Learn how to interface Node.js with other popular technologies such as MongoDB, MySQL, and more Your companion to master the Node ecosystem through six real-world projects Book

Description With its event-driven architecture and efficient web services capabilities, more and more companies are building their entire infrastructure around Node.js. Node has become a de facto part of web development that any serious developer needs to master. This book includes six Node.js projects that gradually increase in complexity. You'll start by building a simple web server and create a basic website. You will then move to create the login system, blog system, chat system, and e-learning system. By creating and following the example projects in this book, you'll improve your Node.js skills through practical working projects, and you'll learn how to use Node.js with many other useful technologies, such as ExpressJS, Kickstart, and Heroku. What you will learn Create powerful applications using Node.js Build scalable and lightweight web applications Use the Express Framework to build web applications Understand the coding principles behind practical web applications Understand the concepts of network programming Use Node.js with other technologies including Kickstart and Heroku Use Node with database technologies Cassandra and MongoDB Who this book is for If you are a web developer or a student who wants to learn about Node.js in a hands-on manner, this book will be perfect for you. A basic understanding of HTML, JavaScript, and some front-end programming experience is required.

Node.js 8 the Right Way - Jim Wilson 2018-01-04
Node.js is the platform of choice for creating modern web services. This fast-paced book gets you up to speed on server-side programming with Node.js 8, as you develop real programs that are small, fast, low-profile, and useful. Take JavaScript beyond the browser, explore dynamic language features, and embrace evented programming.Harness the power of the event loop and non-blocking I/O to create highly parallel microservices and applications. This expanded and updated second edition showcases the latest ECMAScript features, current best practices, and modern development techniques. JavaScript is the backbone of the modern web, powering nearly every web app's user interface. Node.js is JavaScript for the server. This greatly expanded second edition introduces new language features while dramatically increasing

coverage of core topics. Each hands-on chapter offers progressively more challenging topics and techniques, broadening your skill set and enabling you to think in Node.js. Write asynchronous, non-blocking code using Node.js's style and patterns. Cluster and load balance services with Node.js core features and third-party tools. Harness the power of databases such as Elasticsearch and Redis. Work with many protocols, create RESTful web services, TCP socket clients and servers, and more. Test your code's functionality with Mocha, and manage its life cycle with npm. Discover how Node.js pairs a server-side event loop with a JavaScript runtime to produce screaming fast, non-blocking concurrency. Through a series of practical programming domains, use the latest available ECMAScript features and harness key Node.js classes and popular modules. Create rich command-line tools and a web-based UI using modern web development techniques. Join the smart and diverse community that's rapidly advancing the state of the art in JavaScript development. What You Need: Node.js 8.x Operating system with bash-like shell OMQ (pronounced "Zero-M-Q") library, version 3.2 or higher Elasticsearch version 5.0 or higher jq version 1.5 or higher Redis version 3.2 or higher 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 Mongoskin and Mongoose. You'll also work with Pug and Handlebars template engines, Stylus and LESS CSS lanaguages, 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 Mongoskin and Mongoose 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.
Learning Node.js for Mobile Application Development - Stefan Buttigieg 2015-10-30 Make use of Node.js to learn the development of a simple yet scalable cross-platform mobile application About This Book Use Node.js to satisfy the core backend requirements of modern apps, including user management, security, data access, and real-time data communication Build practical real-world mobile applications, which will give you the necessary knowledge to build your very own mobile solutions Step-by-step development of projects using Ionic Framework as the frontend and Node.js for the backend supported by a MongoDB database Who This Book Is For This book is intended for web developers of all levels of expertise who want to deep dive into cross-platform mobile application development without going through the pains of understanding the languages and native frameworks that form an integral part of developing for different mobile platforms. This book is also for you if you are a developer who wants to capitalize on the MobileFirst strategy and so are going to use JavaScript for your complete stack. What You Will Learn Develop an API from scratch Set up a MongoDB Database as part of your mobile application backend Deploy a cross-platform mobile application from the command line Incorporate features within your mobile application that use native phone features such as a gyroscope, GPS, and accelerometer Implement mobile applications that use web-enabled APIs Build a mobile

application with real-time chat messaging features Develop a secure mobile application that is capable of functioning with real-time data In Detail Node.js is a massively popular JavaScript library that lets you use JavaScript to easily program scalable network applications and web services. People approaching Node.js for the first time are often attracted by its efficiency, scalability, and the fact that it's based on JavaScript, the language of the Web, which means that developers can use the same language to write backend code. Also, it's increasingly being seen as a "modern" replacement for PHP in web development, which relies on fast-paced data exchange. The growing community and the large amount of available modules makes Node.js one of the most attractive development environments. This book takes a step-wise and incremental approach toward developing cross-platform mobile technologies using existing web technologies. This will allow you to truly understand and become proficient in developing cross-platform mobile applications with Node.js, Ionic Framework, and MongoDB. The book starts off by introducing all the necessary requirements and knowledge to build a mobile application with a companion web service. It covers the ability to create an API from scratch and implement a comprehensive user database that will give you the opportunity to offer a mobile application with a personalized experience. Midway through the book, you will learn the basic processes to create a successful mobile application. You will also gain higher-level knowledge, allowing you to develop a functional and secure mobile application to ensure a seamless user experience for end users. Finally, the book ends with more advanced projects, which will bring together all the knowledge and expertise developed in the previous chapters to create a practical and functional mobile-application that has useful real-world features. Style and approach This book is an easy-to-follow guide that takes a step-wise approach in giving expertise and knowledge to help you truly understand what is needed to create a memorable user experience for end users. Each topic is placed in the context of the bigger picture, that is, to create cross-platform mobile applications using existing technologies.

The Node Beginner Book - Manuel Kiessling 2012
Ryan Dahl, creator of Node.js: "This is an amazing introduction to Node.js".The aim of The Node Beginner Book is to get you started with developing applications for Node.js, teaching you everything you need to know about advanced JavaScript along the way.
Learning Node.js Development - Andrew Mead 2018-01-31
A comprehensive, easy-to-follow guide to creating complete Node apps and understanding how to build, deploy, and test your own apps. Key Features Entirely project-based and practical Explains the "Why" of Node.js features, not just the "how", providing you with a deep understanding and enabling you to easily apply concepts in your own applications Covers the full range of technologies around Node.js – NPM, version control with Git, and much more Book Description Learning Node.js Development is a practical, project-based book that provides you with all you need to get started as a Node.js developer. Node is a ubiquitous technology on the modern web, and an essential part of any web developers' toolkit. If you are looking to create real-world Node applications, or you want to switch careers or launch a side project to generate some extra income, then you're in the right place. This book has been written around a single goal—turning you into a professional Node developer capable of developing, testing, and deploying real-world production applications. Learning Node.js Development is built from the ground up around the latest version of Node.js (version 9.x.x). You'll be learning all the cutting-edge features available only in the latest software versions. This book cuts through the mass of information available around Node and delivers the essential skills that you need to become a Node developer. It takes you through creating complete apps and understanding how to build, deploy, and test your own Node apps. It maps out everything in a comprehensive, easy-to-follow package designed to get you up and running quickly. What you will learn Learn the fundamentals of Node Build apps that respond to user input Master working with servers Learn how to test and debug applications Deploy and update your apps in the real world Create responsive asynchronous web

applications Who this book is for This book targets anyone looking to launch their own Node applications, switch careers, or freelance as a Node developer. You should have a basic understanding of JavaScript in order to follow this course.

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 fatest 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

Node.js Design Patterns - Mario Casciaro 2020-07-29
Learn proven patterns, techniques, and tricks to take full advantage of the Node.js platform. Master well-known design principles to create applications that are readable, extensible, and that can grow big. Key FeaturesLearn how to create solid server-side applications by leveraging the full power of Node.js 14Understand how Node.js works and learn how to take full advantage of its core components as well as the solutions offered by its ecosystemAvoid common mistakes and use proven patterns to create production grade Node.js applicationsBook Description In this book, we will show you how to implement a series of best practices and design patterns to help you create efficient and robust Node.js applications with ease. We kick off by exploring the basics of Node.js, analyzing its asynchronous event driven architecture and its fundamental design patterns. We then show you how to build asynchronous control flow patterns with callbacks, promises and async/await. Next, we dive into Node.js streams, unveiling their power and showing you how to use them at their full capacity. Following streams is an analysis of different creational, structural, and behavioral design patterns that take full advantage of JavaScript and Node.js. Lastly, the book dives into more advanced concepts such as Universal JavaScript, scalability and messaging patterns to help you build enterprise-grade distributed applications. Throughout the book, you'll see Node.js in action with the help of several real-life examples leveraging technologies such as LevelDB, Redis, RabbitMQ, ZeroMQ, and many others. They will be used to demonstrate a pattern or technique, but they will also give you a great introduction to the Node.js ecosystem and its set of solutions. What you will learnBecome comfortable with writing asynchronous code by leveraging callbacks, promises, and the async/await syntaxLeverage

Node.js streams to create data-driven asynchronous processing pipelinesImplement well-known software design patterns to create production grade applicationsShare code between Node.js and the browser and take advantage of full-stack JavaScriptBuild and scale microservices and distributed systems powered by Node.jsUse Node.js in conjunction with other powerful technologies such as Redis, RabbitMQ, ZeroMQ, and LevelDBWho this book is for This book is for developers and software architects who have some prior basic knowledge of JavaScript and Node.js and now want to get the most out of these technologies in terms of productivity, design quality, and scalability. Software professionals with intermediate experience in Node.js and JavaScript will also find valuable the more advanced patterns and techniques presented in this book. This book assumes that you have an intermediate understanding of web application development, databases, and software design principles.

Node.js in Action - Tim Oxley 2017-08-16 Summary Node.js in Action, Second Edition is a thoroughly revised book based on the best-selling first edition. It starts at square one and guides you through all the features, techniques, and concepts you'll need to build production-quality Node applications. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology You already know JavaScript. The trick to mastering Node.js is learning how to build applications that fully exploit its powerful asynchronous event handling and non-blocking I/O features. The Node server radically simplifies event-driven real-time apps like chat, games, and live data analytics, and with its incredibly rich ecosystem of modules, tools, and libraries, it's hard to beat! About the Book Based on the bestselling first edition, Node.js in Action, Second Edition is a completely new book. Packed with practical examples, it teaches you how to create high-performance web servers using JavaScript and Node. You'll master key design concepts such as asynchronous programming, state management, and event-driven programming. And you'll learn to put together MVC servers using Express and Connect, design web APIs, and set up the perfect production environment to build, lint,

and test. What's Inside Mastering non-blocking I/O The Node event loop Testing and deploying Web application templating About the Reader Written for web developers with intermediate JavaScript skills. About the Authors The Second Edition author team includes Node masters Alex Young, Bradley Meck, Mike Cantelon, and Tim Oxley, along with original authors Marc Harter, T.J. Holowaychuk, and Nathan Rajlich. Table of contents PART 1 - WELCOME TO NODE Welcome to Node.js Node programming fundamentals What is a Node web application? PART 2 - WEB DEVELOPMENT WITH NODE Front-end build systems Server-side frameworks Connect and Express in depth Web application templating Storing application data Testing Node applications Deploying Node applications and maintaining uptime PART 3 - BEYOND WEB DEVELOPMENT Writing command-line applications Conquering the desktop with Electron

Pro Node.js for Developers - Colin J. Ihrig 2013-11-25
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. What you'll learn Install, configure and deploy Node.js apps effectively Understand the Node.js asynchronous programming model in detail Create both web and network-based Node.js applications with ease Learn to work effectively with varied data sources and file types Discover advanced software engineering concepts that will will save you time and promote code reuse Who this book is for This book is for developers who already have a working knowledge of JavaScript and are interested in adopting Node.js into their projects. All other concepts will be introduced from first-principals. Table of Contents Introducing Node.js The Node Module System The Event Loop Events Timers and Scheduling The Command Line Interface Accessing the File System Data Streams Binary Data Creating Child Processes Network Programming HTTP Server Development Connect Connecting to Databases Logging Application Scaling Appendix

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.

Sams Teach Yourself Node.js in 24 Hours - George Ornbo 2012-09-05
In just 24 sessions of one hour or less, Sams Teach Yourself Node.js in 24 Hours will help you master the Node.js platform and use it to build server-side applications with extraordinary speed and scalability. Using this text's straightforward, step-by-step approach, you'll move from basic installation, configuration, and programming all the way through real-time messaging between browser and server, testing and deployment. Every lesson and case-study application builds on what you've already learned, giving you a rock-solid foundation for real-world success! Step-by-step instructions carefully walk you through the most common Node.js development tasks. Quizzes and Exercises at the end of each chapter help you test your knowledge. By the Way notes present valuable additional information related to the discussion. Did You Know? tips offer advice or show you easier ways to perform tasks. Watch Out! cautions alert you to possible problems and give you advice on how to avoid them. Learn how to… · Create end-to-end applications entirely in JavaScript · Master essential Node.js concepts like callbacks and quickly create your first program · Create basic sites with the HTTP module and Express web framework · Manage data persistence with Node.js and MongoDB · Debug and test Node.js applications · Deploy Node.js applications to thirdparty services, such as Heroku and Nodester · Build powerful real-time solutions, from chat servers to Twitter clients · Create JSON APIs using JavaScript on the server · Use core components of the Node.js API, including processes, child processes, events, buffers, and streams · Create and publish a Node.js module

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 devel0pment 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.

Professional Node.js - Pedro Teixeira 2012-10-01 Learn to build fast and scalable software in JavaScript with Node.js Node.js is a powerful and popular new framework for writing scalable network programs using JavaScript. This no nonsense book begins with an overview of Node.js and then quickly dives into the code, core concepts, and APIs. In-depth coverage pares down the essentials to cover debugging, unit testing, and flow control so that you can start building and testing your own modules right away. Covers node and asynchronous programming main concepts Addresses the basics: modules, buffers, events, and timers Explores streams, file systems, networking, and automated unit testing Goes beyond the basics, and shares techniques and tools for debugging, unit testing, and flow control If you already know JavaScript and are curious about the power of Node.js, then this is the ideal book for you.

Node.js in Practice - Marc Harter 2014-12-03 Summary Node.js in Practice is a collection of fully tested examples that offer solutions to the common and not-so-common issues you face when you roll out Node. You'll dig into important topics like the ins and outs of event-based programming, how and why to use closures, how to structure applications to take advantage of end-to-end JavaScript apps, and more. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Book You've decided to use Node.js for your next project and you need the skills to implement Node in production. It would be great to have Node experts Alex Young and Marc Harter at your side to help you tackle those day-to-day challenges. With this book, you can! Node.js in Practice is a collection of 115 thoroughly tested examples and instantly useful techniques guaranteed to make any Node application go more smoothly. Following a common-sense Problem/Solution format, these experience-fueled techniques cover important topics like event-based programming, streams, integrating external applications, and deployment. The abundantly annotated code makes the examples easy to follow, and techniques are organized into logical clusters, so it's a snap to find what you're looking for. Written for readers who have a practical knowledge of JavaScript and the basics of Node.js. What's Inside Common usage examples, from basic to advanced Designing and writing modules Testing and debugging Node apps Integrating Node into existing systems About the Authors Alex Young is a seasoned JavaScript developer who blogs regularly at DailyJS. Marc Harter works daily on large-scale projects including high-availability real-time applications, streaming interfaces, and other data-intensive systems. Table of Contents PART 1 NODE FUNDAMENTALS Getting started Globals: Node's environment Buffers: Working with bits, bytes, and encodings Events: Mastering EventEmitter and beyond Streams: Node's most powerful and misunderstood feature File system: Synchronous and asynchronous approaches Networking: Node's true "Hello, World" Child processes: Integrating external applications with Node PART 2 REAL-WORLD RECIPES The Web:

Build leaner and meaner web applications Tests: The key to confident code Debugging: Designing for introspection and resolving issues Node in production: Deploying applications safely PART 3 WRITING MODULES Writing modules: Mastering what Node is all about

Learning Node.js for .NET Developers - Harry Cummings 2016-06-24
Solve practical real-world problems using JavaScript and Node.js About This Book Learn the concepts of Node.js to gain a high-level understanding of the Node.js execution model Build an interactive web application with MongoDB and Redis and create your own JavaScript modules that work both on the client side and server side Familiarize yourself with the new features of Node.js and JavaScript with this exclusive step-by-step guide Who This Book Is For This book is for developers who want to learn JavaScript and Node.js. Previous experience with programming is desired, but no JavaScript or Node.js knowledge is required. The book focuses mostly on web development, such as networking, serving dynamic pages, and real-time client-server communication. What You Will Learn Understand which problems Node.js best solves Write idiomatic JavaScript and Node.js code Build web applications and command-line tools Minimise complexity and efficiently solve difficult problems Test and deploy Node.js applications Work with persistent data Implement real-time client-server applications Integrate .NET and Node.js code In Detail Node.js is an open source, cross-platform runtime environment that allows you to use JavaScript to develop server-side web applications. This short guide will help you develop applications using JavaScript and Node.js, leverage your existing programming skills from .NET or Java, and make the most of these other platforms through understanding the Node.js programming model. You will learn how to build web applications and APIs in Node, discover packages in the Node.js ecosystem, test and deploy your Node.js code, and more. Finally, you will discover how to integrate Node.js and .NET code. Style and approach This is a step-by-step and practical guide to Node.js for .Net developers. It covers the fundamentals relating to typical applications. The focus is on providing the practical skills required to develop applications, with a summary of the key concepts covered.

Node.js Design Patterns - Mario Casciaro 2016-07-18
Get the best out of Node.js by mastering its most powerful components and patterns to create modular and scalable applications with ease About This Book Create reusable patterns and modules by leveraging the new features of Node.js . Understand the asynchronous single thread design of node and grasp all its features and patterns to take advantage of various functions. This unique guide will help you get the most out of Node.js and its ecosystem. Who This Book Is For The book is meant for developers and software architects with a basic working knowledge of JavaScript who are interested in acquiring a deeper understanding of how to design and develop enterprise-level Node.js applications. Basic knowledge of Node.js is also helpful to get the most out of this book. What You Will Learn Design and implement a series of server-side JavaScript patterns so you understand why and when to apply them in different use case scenarios Become comfortable with writing asynchronous code by leveraging constructs such as callbacks, promises, generators and the async-await syntax Identify the most important concerns and apply unique tricks to achieve higher scalability and modularity in your Node.js application Untangle your modules by organizing and connecting them coherently Reuse well-known techniques to solve common design and coding issues Explore the latest trends in Universal JavaScript, learn how to write code that runs on both Node.js and the browser and leverage React and its ecosystem to implement universal applications In Detail Node.js is a massively popular software platform that lets you use JavaScript to easily create scalable server-side applications. It allows you to create efficient code, enabling a more sustainable way of writing software made of only one language across the full stack, along with extreme levels of reusability, pragmatism, simplicity, and collaboration. Node.js is revolutionizing the web and the way people and companies create their software. In this book, we will take you on a journey across various ideas and components, and the challenges you would commonly encounter while designing and

developing software using the Node.js platform. You will also discover the "Node.js way" of dealing with design and coding decisions. The book kicks off by exploring the basics of Node.js describing it's asynchronous single-threaded architecture and the main design patterns. It then shows you how to master the asynchronous control flow patterns,and the stream component and it culminates into a detailed list of Node.js implementations of the most common design patterns as well as some specific design patterns that are exclusive to the Node.js world.Lastly, it dives into more advanced concepts such as Universal Javascript, and scalability' and it's meant to conclude the journey by giving the reader all the necessary concepts to be able to build an enterprise grade application using Node.js. Style and approach This book takes its intended readers through a comprehensive explanation to create a scalable and efficient real-time server-side apps.

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.
Node.js in Action - Mike Cantelon 2013-07-28
Provides information on using Node.js to build scalable Web applications, covering such topics as asynchronous programming, data storage, and output templating.
Learning Node - Shelley Powers 2016-05-24
Take your web development skills from browser to server with Node—and learn how to write fast, highly scalable network applications on this JavaScript-based platform. Updated for the latest Node Long Term Support (LTS) and Node Current (6.0) releases, this hands-on edition helps you master Node's core fundamentals and gain experience with several built-in and contributed modules. Get up to speed on Node's event-driven, asynchronous I/O model for developing data-intensive applications that are frequently accessed but computationally simple. If you're comfortable working with JavaScript, this book provides many programming and deployment examples to help you take advantage of server-side development with Node. Explore the frameworks and functionality for full-stack Node development Dive into Node's module system and package management support Test your application or module code on the fly with Node's REPL console Use core Node modules to build web applications and an HTTP server Learn Node's support for networks, security, and sockets Access operating system functionality with child processes Learn tools and techniques for Node development and production Use Node in microcontrollers, microcomputers, and the Internet of Things
Node. Js Beyond the Basics - Samer Buna 2018-03
Master the Node.js runtime beyond the basic usage Topics Covered: Node.js Fundamentals Built-in Modules Requiring Modules Using and Implementing Streams Child Processes The Node Cluster Module Scaling Node.js Applications
Learning JavaScript Design Patterns - Addy Osmani 2012-07-08
With Learning JavaScript Design Patterns, you'll learn how to write beautiful, structured, and maintainable JavaScript by applying classical and modern design patterns to the language. If you want to keep your code efficient, more manageable, and up-to-date with the latest best

practices, this book is for you. Explore many popular design patterns, including Modules, Observers, Facades, and Mediators. Learn how modern architectural patterns—such as MVC, MVP, and MVVM—are useful from the perspective of a modern web application developer. This book also walks experienced JavaScript developers through modern module formats, how to namespace code effectively, and other essential topics. Learn the structure of design patterns and how they are written Understand different pattern categories, including creational, structural, and behavioral Walk through more than 20 classical and modern design patterns in JavaScript Use several options for writing modular code—including the Module pattern, Asyncronous Module Definition (AMD), and CommonJS Discover design patterns implemented in the jQuery library Learn popular design patterns for writing maintainable jQuery plug-ins "This book should be in every JavaScript developer's hands. It's the go-to book on JavaScript patterns that will be read and referenced many times in the future."—Andrée Hansson, Lead Front-End Developer, presis!

Node.js High Performance - Diogo Resende 2015-08-19
Take your application to the next level of high performance using the extensive capabilities of Node.js About This Book Analyze, benchmark, and profile your Node.js application to find slow spots, and push it to the limit by eliminating performance bottlenecks Learn the basis of performance analysis using Node.js Explore the high performance capabilities of Node.js, along with best practices In Detail Node.js is a tool written in C, which allows you to use JavaScript on the server-side. High performance on a platform like Node.js is knowing how to take advantage of every aspect of your hardware, helping memory management act at its best, and correctly deciding how to architect a complex application. Do not panic if your applications start consuming a lot of memory; instead spot the leak and solve it fast with Node.js by monitoring and stopping it before it becomes an issue. This book will provide you with the skills you need to analyze the performance of your application and monitor the aspects that can and should be. Starting with performance analysis

concepts and their importance in helping Node.js developers eliminate performance bottlenecks, this book will take you through development patterns to avoid performance penalties. You will learn the importance of garbage collection and its behaviour,and discover how to profile your processor, allowing better performance and scalability. You will then learn about the different types of data storage methods. Moving on, you will get to grips with testing and benchmarking applications to avoid unknown application test zones. Lastly, you will explore the limits that external components can impose in your application in the form of bottlenecks. By following the examples in each chapter, you will discover tips to getting better performing applications by avoiding anti-patterns and stretching the limits of your environment as much as possible. What You Will Learn Develop applications using well-defined and well-tested development patterns Explore memory management and garbage collection to improve performance Monitor memory changes and analyze heap snapshots Profile the CPU and improve your code to avoid patterns that force intensive processor usage Understand the importance of data and when you should cache information. Learn to always test your code and benchmark when needed Extend your application's scope and know what other elements can influence performance Who This Book Is For This book is for Node.js developers who want a more in-depth knowledge of the platform to improve the performance of their applications. Whether you have a base Node.js background or you are an expert who knows the garbage collector and wants to leverage it to make applications more robust, the examples in this book will benefit you. Style and approach This is a practical guide to learning high performance, which even the least experienced developer will comprehend. Small and simple examples help you test concepts yourself and easily adapt them to any application, boosting its performance and preparing it for the real-world.

Jump Start Node.js - Don Nguyen 2012-11-03
Node.js is changing the way web apps are built. As Node.js apps are written in JavaScript, you can quickly and simply use your front-end skills to develop staggeringly fast, scalable real-time web applications. Read this book and, in a

weekend, you'll learn how to: Develop a complete working Node.js application - from start-to-finish Deploy your new application to a production server Scale your projects quickly and cheaply PLUS discover how to use Twitter Bootstrap, MongoDB and Back-bone.js to create fancy web apps, extend their storage, and dynamically update them.

Full Stack JavaScript - Azat Mardan 2018-11-14 Learn agile JavaScript web development using the latest cutting-edge front-end and back-end technologies including Node.js, MongoDB, Backbone.js, Parse.com, Heroku, and Microsoft Azure. Using a key project example of a message board app, you will learn the foundations of a typical web application: fetching data, displaying it, and submitting new data. Practical examples of the app build are provided with multiple technologies and all code examples are in full color. This book will save you many hours by providing a hand-picked and tested collection of quick start guides that will enable you to spend less time learning and more time building your own applications. Completely updated for this second edition, Full Stack JavaScript uses current versions of all technologies, including ES6/ES2015 and the latest versions of Node and npm. Prototype fast and ship code that matters! What You'll Learn Use a collection of quick start guides, tutorials, and suggestions, to enhance several development appsReview virtually all setup and deployment step-by-step.Work with Chat web/mobile applications Put front-end and back-end components together and deploy them to production environmentWho This Book Is For Programmers who want to learn more about effective JavaScript coding

Node.Js - Ralph Archer 2015-12-21 This book is an exploration of the Node.js framework. The first part of the book is an exploration of what the framework is, where it is used, and how to use it. The reasons which have made the Node.js framework very popular are discussed in this book. This will help you in understanding the framework more. Error handling is very crucial in software applications, including the ones for Node.js. You need to learn how to implement this in your web applications. This book will guide you on how to implement the concept of error handling in your Node.js applications, meaning that you will make your

application safer. The concept of strict mode in coding is also discussed in this book, so that you will learn how take advantage of it. You will also learn to use a global variable as a cache. Errors are paramount in applications as well as in node applications. The tools which can assist you in debugging your Node.js application are discussed to help you in handling errors in your node programs more effectively. There are also errors which you can hardly trace on your own in your application. This book guides you in understanding the concept of error handling in depth. The Apple push notification backend in Node.js is explored in this book, showing both what it is and how to use it.

Learning Node - Shelley Powers 2012-10-03 Provides information on writing scalable network applications using the JavaScript-based platform.

Get Programming with Node.js - Jonathan Wexler 2019-02-11 Summary Get Programming with Node.js teaches you to build web servers using JavaScript and Node. In this engaging tutorial, you'll work through eight complete projects, from writing the code for your first web server to adding live chat to a web app. Your hands will stay on the keyboard as you explore the most important aspects of the Node development process, including security, database management, authenticating user accounts, and deploying to production. You'll especially appreciate the easy-to-follow discussions, illuminating diagrams, and carefully explained code! Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology Node.js delivers the speed and reliability you need for ecommerce, social media, and gaming applications. It comes with thousands of prebuilt packages to help you get started immediately. If you want to use JavaScript on the server, Node.js is your choice. What's inside New features from ES2015 and later Writing asynchronous code Creating data models Debugging JavaScript modules About the Reader Written for front-end web developers with intermediate JavaScript skills. Table of Contents GETTING SET UP Lesson 0 - Setting up Node.js and the JavaScript engine Lesson 1 - Configuring your environment Lesson 2 - Running a Node.js

application UNIT 1 - GETTING STARTED WITH NODE.JS Lesson 3 - Creating a Node.js module Lesson 4 - Building a simple web server in Node.js Lesson 5 - Handling incoming data Lesson 6 - Writing better routes and serving external files Lesson 7 - Capstone: Creating your first web application UNIT 2 - EASIER WEB DEVELOPMENT WITH EXPRESS.JS Lesson 8 - Setting up an app with Express.js Lesson 9 - Routing in Express.js Lesson 10 - Connecting views with templates Lesson 11 - Configurations and error handling Lesson 12 - Capstone: Enhancing the Confetti Cuisine site with Express.js UNIT 3 - CONNECTING TO A DATABASE Lesson 13 - Setting up a MongoDB database Lssson 14 - Building models with Mongoose Lesson 15 - Connecting controllers and models Using promises with Mongoose Lesson 16 - Capstone: Saving user subscriptions UNIT 4 - BUILDING A USER MODEL Lesson 17 - Improving your data models Lesson 18 - Building the user model Lesson 19 - Creating and reading your models Lesson 20 - Updating and deleting your models Lesson 21 - Capstone: Adding CRUD models to Confetti Cuisine Creating controllers UNIT 5 - AUTHENTICATING USER ACCOUNTS Lesson 22 - Adding sessions and flash messages Lesson 23 - Building a user login and hashing passwords Lesson 24 - Adding user authentication Lesson 25 - Capstone: Adding user authentication to Confetti Cuisine UNIT 6 - BUILDING AN API Lesson 26 - Adding an API to your application Lesson 27 - Accessing your API from your application Lesson 28 - Adding API security Lesson 29 - Capstone: Implementing an API UNIT 7 - ADDING CHAT FUNCTIONALITY Lesson 30 - Working with Socket.io Lesson 31 - Saving chat messages Lesson 32 - Adding a chat notification indicator UNIT 8 - DEPLOYING AND MANAGING CODE IN PRODUCTION Lesson 33 - Capstone: Adding a chat feature to Confetti Cuisine Lesson 34 - Deploying your application Lesson 35 - Managing in production Lesson 36 - Testing your application Lesson 37 - Capstone: Deploying Confetti Cuisine

What Is Node? - Brett McLaughlin 2011-07-13 Node.js. It's the latest in a long line of "Are you cool enough to use me?" programming languages, APIs, and toolkits. In that sense, it lands squarely in the tradition of Rails, and Ajax, and Hadoop, and even to some degree iPhone programming and HTML5. Dig a little deeper, and you'll hear that Node.js (or, as it's more briefly called by many, simply "Node") is a server-side solution for JavaScript, and in particular, for receiving and responding to HTTP requests. If that doesn't completely boggle your mind, by the time the conversation heats up with discussion of ports, sockets, and threads, you'll tend to glaze over. Is this really JavaScript? In fact, why in the world would anyone want to run JavaScript outside of a browser, let alone the server? The good news is that you're hearing (and thinking) about the right things. Node really is concerned with network programming and server-side request/response processing. The bad news is that like Rails, Ajax, and Hadoop before it, there's precious little clear information available. There will be, in time — as there now is for these other "cool" frameworks that have matured — but why wait for a book or tutorial when you might be able to use Node today, and dramatically improve the maintainability.

Smashing Node.js - Guillermo Rauch 2012-08-14 Learn to make more efficient apps, with just one language! Smashing Node.js: JavaScript Everywhere equips you with the necessary tools to understand Node.js and its uses in developing efficient web apps. With more traditional web servers becoming obsolete, having knowledge on servers that achieve high scalability and optimal resource consumption using Node.js is the key to your app development success. Teaching you the essentials to making event-driven server-side apps, this book demonstrates how you can use less space and take less time for communication between web client and server. Contains numerous hands-on examples Explains implementation of real-time apps including Socket.IO and HTML5, and WebSockets Addresses practical Node.js advantages from specific design choices Demonstrates why knowledge and use of JavaScript is beneficial Includes an interactive online component with sample chapters Explains components of stand out apps including brevity and benchmarks Looking to enhance your abilities even further? Smashing Node.js: JavaScript Everywhere makes developing server-side apps accessible with its focus on JavaScript, open source, and easy-to-

use language.

Getting the Most Out of Node.js Frameworks - Sufyan Bin Uzayr 2022
Gain the knowledge you need to navigate your way confidently through the ever-expanding landscape of modern JavaScript technologies.

Advanced Node.js Development - Andrew Mead 2018-03-30
Takes you through creating your own API, building a full real-time web app, securing your Node systems, and practical applications of the latest Async and Await technologies. It maps out everything in a comprehensive, easy-to-follow package designed to get you up and running quickly. Key Features Entirely project-based and practical Explains the "why" of Node.js features, not just the "how", providing with a deep understanding and enabling you to easily apply concepts in your own applications Covers the full range of technologies around Node.js – npm, MongoDB, version control with Git, and many more Book Description Advanced Node.js Development is a practical, project-based book that provides you with all you need to progress as a Node.js developer. Node is a ubiquitous technology on the modern web, and an essential part of any web developer's toolkit. If you're looking to create real-world Node applications, or you want to switch careers or launch a side-project to generate some extra income, then you're in the right place. This book was written around a single goal: turning you into a professional Node developer capable of developing, testing, and deploying real-world production applications. There's no better time to dive in. According to the 2018 Stack Overflow Survey, Node is in the top ten for back-end popularity and back-end salary. This book is built from the ground up around the latest version of Node.js (version 9.x.x). You'll be learning all the cutting-edge features available only in the latest software versions. This book delivers advanced skills that you need to become a professional Node developer. Along this journey you'll create your own API, you'll build a full real-time web app and create projects that apply the latest Async and Await technologies. Andrew Mead maps everything out for you in this book so that you can learn how to build powerful Node.js projects in a comprehensive, easy-to-follow package designed to get you up

and running quickly. What you will learn Develop, test, and deploy real-world Node.js applications Master Node.js by building practical, working examples Use awesome third-party Node modules such as MongoDB, Mongoose, Socket.io, and Express Create real-time web applications Explore async and await in ES7 Who this book is for This book is for anyone looking to launch their own Node applications, switch careers, or freelance as a Node developer. You should have a basic understanding of JavaScript in order to follow this book. This book follows directly on from Learning Node.js Development, but more advanced readers can benefit from this book without having read the first part.

How To Code in Node.js - David Landup 2020-12-14

Learning Node.js - Marc Wandschneider 2013
"Learning Node.js LiveLessons provides developers with a practical introduction to Node.js, an exciting new platform for developing web and network applications. This video starts by introducing Node.js, installing and running it, and then gives a quick refresher course on the JavaScript language and its new features. It then moves into writing JSON servers, web applications, client-side templates, and continues by covering database access to both SQL and NoSQL database servers. After watching this video, developers will begin to understand why Node.js inspires so much passion, and should be able to write fast, compact and reliable applications and web servers."--Resource description page.

Node: Up and Running - Tom Hughes-Croucher 2012-04-23
This book introduces you to Node, the new web development framework written in JavaScript. You'll learn hands-on how Node makes life easier for experienced JavaScript developers: not only can you work on the front end and back end in the same language, you'll also have more flexibility in choosing how to divide application logic between client and server. Written by a core contributor to the framework, Node: Up and Running shows you how Node scales up to support large numbers of simultaneous connections across multiple servers, and scales down to let you create quick one-off applications

with minimal infrastructure. Built on the V8 JavaScript engine that runs Google Chrome, Node is already winning the hearts and minds of many companies, including Google and Yahoo! This book shows you why. Understand Node's event-loop architecture, non-blocking I/O, and event-driven programming Discover how Node supports a variety of database and data storage tools Learn best practices for writing easy-to-maintain code for Node Get concrete examples of how to use the various Node APIs in practice Take advantage of the book's complete API reference

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.