Model Number Mongoose

Over 50 recipes to create full-stack high-performance web
applications using pure JavaScript and the MEAN stack.
About This Book Architect a fully functional stand-alone web
application, including the web server, database, and front-end
web application Improve the performance and maintainability
of your MEAN stack application with tips for configuration and
optimization Highlights MEAN Stack best practices when
working with your application Who This Book Is For If you are
a JavaScript developer who wants to create high-performing,
modern web applications with the MEAN stack, this is the
book for you. Web developers familiar with some parts of the
MEAN stack will find this a comprehensive guide to fleshing
out the other technologies and skills they need to build all
JavaScript web applications. Developers interested in
transitioning from other web application stacks to an all-
JavaScript environment will find a wealth of information about
how to work in a MEAN stack environment. To get the most
from this book, you should have a general understanding of
web servers and web applications. You are expected to have
a basic understanding of running JavaScript, both in a web
browser and outside it, using Node.js and the NPM package
manager. What You Will Learn Bootstrap a new MEAN stack
web application using Node.js and Express Build a single-
page application (SPA) with Angular and Angular-CLI
Improve browser performance by optimizing your web
application resources using Webpack Model complex JSON
object relationships in MongoDB using Mongoose Debug all
the layers of a MEAN stack application, including working with
source maps Build Restful APIs using Express.js and JSON
Web Token (JWT) for user authentication Use automated
testing to improve the reliability and quality of your MEAN

stack application In Detail The MEAN Stack is a framework
for web application development using JavaScript-based
technologies; MongoDB, Express, Angular, and Node.js. If
you want to expand your understanding of using JavaScript to
produce a fully functional standalone web application,
including the web server, user interface, and database, then
this book can help guide you through that transition. This
book begins by configuring the frontend of the MEAN stack
web application using the Angular JavaScript framework. We
then implement common user interface enhancements before
moving on to configuring the server layer of our MEAN stack
web application using Express for our backend APIs. You will
learn to configure the database layer of your MEAN stack
web application using MongoDB and the Mongoose
framework, including modeling relationships between
documents. You will explore advanced topics such as
optimizing your web application using WebPack as well as
the use of automated testing with the Mocha and Chai
frameworks. By the end of the book, you should have
acquired a level of proficiency that allows you to confidently
build a full production-ready and scalable MEAN stack
application. Style and Approach This book is a guide of
MEAN Stack specific solutions to common web application
problems and includes in-depth guides for each layer of the
application stack. Readers looking to upgrade their MEAN
Stack web application will find recipes within to help them
transition.
Learn best practices for building bots by focusing on the
technological implementation and UX in this practical book.
You will cover key topics such as setting up a development
environment for creating chatbots for multiple channels
(Facebook Messenger, Skype, and KiK); building a chatbot
(design to implementation); integrating to IFTT (If This Then
That) and IoT (Internet of Things); carrying out analytics and

metrics for chatbots; and most importantly monetizing models and business sense for chatbots. Build Better Chatbots is easy to follow with code snippets provided in the book and complete code open sourced and available to download. With Facebook opening up its Messenger platform for developers, followed by Microsoft opening up Skype for development, a new channel has emerged for brands to acquire, engage, and service customers on chat with chatbots. What You Will Learn Work with the bot development life cycle Master bot UX design Integrate into the bot ecosystem Maximize the business and monetization potential for bots Who This Book Is For Developers, programmers, and hobbyists who have basic programming knowledge. The book can be used by existing chatbot developers to gain a better understanding of analytics and the business side of bots.

Use CoffeeScript to Write Better JavaScript Code Than Ever Before! If you can do it in JavaScript, you can do it better in CoffeeScript. And, since CoffeeScript "compiles down" to JavaScript, your code will fit neatly into virtually any web environment. In Programming in CoffeeScript, Mark Bates shows web developers why CoffeeScript is so useful and how it avoids the problems that often make JavaScript code buggy and unmanageable. He guides you through every feature and technique you need to write quality CoffeeScript code and shows how to take advantage of CoffeeScript's increasingly robust toolset. Bates begins with the absolute basics of running and compiling CoffeeScript and then introduces syntax, control structures, functions, collections, and classes. Through same page code comparisons, you'll discover exactly how CoffeeScript improves on JavaScript. Next, you'll put it to work in building applications that are powerful, flexible, maintainable, concise, reliable, and secure. Bates shares valuable tips for better development, illuminating CoffeeScript's hidden gems and warning you about its

remaining "rough edges." The book concludes with a start-to-finish application case study showing how to code back-ends and front-ends and integrate powerful frameworks and libraries. Coverage includes Understanding the right ways to compile and execute CoffeeScript Using CoffeeScript's clean syntax to focus on your code, not JavaScript's distractions Working with CoffeeScript's control structures, functions, and arguments Taking full advantage of CoffeeScript's implementation of collections and iterators Leveraging CoffeeScript's full class support to create complex data models Automating common application development tasks with Cake and Cakefiles Configuring Jasmine with CoffeeScript support, and using it to systematically test your code Writing Node.js server-side applications in CoffeeScript Using CoffeeScript to write jQuery and Backbone.js applications Integrating framework code to avoid "reinventing the wheel" Want a better way to create the JavaScript code your web applications need? CoffeeScript is the solution–and this book will help you master it!

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. Fully supported by a continuously updated source code repository on GitHub and with full-color code examples, learn what you can do with Node.js 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 Implement a third-party OAuth strategy with Everyauth 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.

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

JavaScript Frameworks for Modern Web Dev is your guide to the wild, vast, and untamed frontier that is JavaScript development. The JavaScript tooling landscape has grown and matured drastically in the past several years. This book will serve as an introduction to both new and well established libraries, frameworks, and utilities that have gained popular traction and support from seasoned developers. It covers tools applicable to the entire development stack, both client- and server-side. While no single book can possibly cover every JavaScript library of value, JavaScript Frameworks for

Modern Web Dev focuses on incredibly u seful libraries and frameworks that production software uses. You will be treated to detailed analyses and sample code for tools that manage dependencies, structure code in a modular fashion, automate repetitive build tasks, create specialized servers, structure client side applications, facilitate horizontal scaling, and interacting with disparate data stores. The libraries and frameworks covered include Bower, Grunt, Yeoman, PM2, RequireJS, Browserify, Knockout, AngularJS, Kraken, Mach, Mongoose, Knex, Bookshelf, Faye, Q, Async.js, Underscore, and Lodash. Written from first-hand experience, you will benefit from the glorious victories and innumerable failures of two experienced professionals, gain quick insight into hurdles that aren't always explicitly mentioned in API documentation or Readmes, and quickly learn how to use JavaScript frameworks and libraries like a Pro. Enrich your development skills with JavaScript Frameworks for Modern Web Dev today.

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

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

and approach A practical guide with clear instructions to designing and developing a complete web application from start to finish

Since the beginning of modern Indology in the 19th century, the relationship between the early Indian religions of Buddhism, Jainism, and Hinduism has been predicated on a perceived dichotomy between two meta-historical identities: "the Brahmans" (purveyors of the ancient Vedic texts and associated ritual system) and the newer "non-Brahmanical" sramana movements from which the Buddhists and Jains emerged. Textbook and scholarly accounts postulate an opposition between these two groups, citing the 2nd-century BCE Sanskrit grammarian Patañjali, who is often quoted erroneously as likening them to the proverbial enemies snake and mongoose. Scholars continue to privilege Brahmanical Hindu accounts of early Indian history, and further portray Buddhist and Jain deviations from those accounts as evidence of their opposition to a pre-existing Brahmanism. In The Snake and The Mongoose, Nathan McGovern turns this commonly-accepted model of the origins of the early Indian religions on its head. His book seeks to de-center the Hindu Brahman from our understanding of Indian religion by "taming the snake and the mongoose"--that is, by abandoning the anachronistic distinction between "Brahmanical" and "non-Brahmanical." Instead, McGovern allows the earliest articulations of identity in Indian religion to speak for themselves through a comparative reading of texts preserved by the three major groups that emerged from the social, political, cultural, and religious foment of the late first millennium BCE: the Buddhists and Jains as they represented themselves in their earliest sutras, and the Vedic Brahmans as they represented themselves in their Dharma Sutras. The picture that emerges is not of a fundamental dichotomy between Brahmanical and non-Brahmanical, but rather of

many different groups who all saw themselves as Brahmanical. Thus, McGovern argues, it was through the contestation between these groups that the distinction between Brahmanical and non-Brahmanical--the snake and the mongoose--emerged.

Learn how to develop a complete and robust Node, express.js and MongoDB-based web application and mobile application backend quickly using KeystoneJS. You'll learn how KeystoneJS makes complicated things simple, without limiting the power or flexibility of node.js or the frameworks it is built on. Beginning KeystoneJS shows you how to build database-driven websites, applications, and APIs, all built upon Express, the defacto web server for Node.js that uses MongoDB as its storage backend. What You Will Learn Discover the setup and architecture of the KeystoneJS framework. See how easy it is to extend KeystoneJS Understand the custom types and fields provided out of the box Write clean markup and create templates using Swig Use the powerful editing options in the framework's responsive dashboard Who This Book Is For Technical and non-technical people who would like to build applications quickly to leverage structured data to improve productivity.

Unlock the power of the MEAN stack by creating attractive and real-world projects About This Book Learn about the different components that comprise a MEAN application to construct a fully functional MEAN application using the best third-party modules A step-by-step guide to developing the MEAN stack components from scratch to achieve maximum flexibility when building an e-commerce application Build optimum end-to-end web applications using the MEAN stack Who This Book Is For This learning path is for web developers who are experienced in developing applications using JavaScript. This course is for developers who are interested in learning how to build modern and multiple web

applications using MongoDB, Express, AngularJS, and Node.js. What You Will Learn Build modern, end-to-end web applications by employing the full-stack web development solution of MEAN Connect your Express application to MongoDB and use a Mongoose model and build a complex application from start to finish in MongoDB Employ AngularJS to build responsive UI components Implement multiple authentication strategies such as OAuth, JsonWebToken, and Sessions Enhance your website's usability with social logins such as Facebook, Twitter, and Google Secure your app by creating SSL certificates and run payment platforms in a live environment Implement a chat application from scratch using Socket.IO Create distributed applications and use the power of server-side rendering in your applications Extend a project with a real-time bidding system using WebSockets In Detail The MEAN stack is a collection of the most popular modern tools for web development. This course will help you to build a custom e-commerce app along with several other applications. You will progress to creating several applications with MEAN. The first module in this course will provide you with the skills you need to successfully create, maintain, and test a MEAN application. Starting with MEAN core frameworks, this course will explain each framework key concepts of MongoDB, Express, AngularJS, and Node.js. We will walk through the different tools and frameworks that will help expedite your daily development cycles. After this, the next module will show you how to create your own e-commerce application using the MEAN stack. It takes you step by step through the parallel process of learning and building to develop a production-ready, high-quality e-commerce site from scratch. It also shows you how to manage user authentication and authorization, check multiple payment platforms, add a product search and navigation feature, deploy a production-ready e-commerce site, and

finally add your own high-quality feature to the site. The final step in this course will enable you to build a better foundation for your AngularJS apps. You'll learn how to build complex real-life applications with the MEAN stack and a few more advanced projects. You will become familiar with WebSockets, build real-time web applications, create auto-destructing entities, and see how to work with monetary data in Mongo. You will also find out how to a build real-time e-commerce application. This learning path combines some of the best that Packt has to offer in one complete, curated package. It includes content from the following Packt products: MEAN Web Development by Amos Haviv Building an E-Commerce Application with MEAN by Adrian Mejia MEAN Blueprints by Robert Onodi Style and approach This course will begin with the introduction to MEAN, gradually progressing with building applications in each framework. Each transition is well explained, and each chapter begins with the required background knowledge.

"Rikki-Tikki-Tavi" is a short story in the 1894 anthology The Jungle Book by Rudyard Kipling about the adventures of a valiant young Indian mongoose. An English family have just moved to a house in India. They find Rikki-Tikki-Tavi the mongoose flooded out of his burrow. A pair of large cobras, Nag and Nagaina, attempt unsuccessfully to kill him. He hears the cobras plotting to kill the father in the house, and attacks Nag in the bathroom. The sound of the fight attracts the father, who shoots Nag. Rikki-Tikki-Tavi destroys Nagaina's eggs and chases her into her "rat-hole" where he kills her too. Famous stories of The Jungle Book Rudyard Kipling: Mowgli's Brothers, Kaa's Hunting, Tiger! Tiger!, The White Seal, Rikki-Tikki-Tavi, Toomai of the Elephants, Her Majesty's Servants.

Mongoose for Application DevelopmentPackt Publishing Ltd Develop your real-time MEAN application efficiently using a

combination of MongoDB, Express, Angular, and Node About This Book Construct a fully-functional MEAN application by using its components along with the best third-party modules Harness the power of the JavaScript ecosystem to effectively run, build, and test your MEAN application Gain a deep, practical understanding of real-time web application development through real-world examples Who This Book Is For If you are a JavaScript developer who is interested in building modern web applications using MongoDB, Express, Angular 2, and Node 5.0, then this book is for you. You only need knowledge of JavaScript development. What You Will Learn Use MongoDB to store and retrieve your application's data Connect your Express application to MongoDB and use the Mongoose module Manage your users' authentication and offer them diverse login options using Passport Structure and use an Angular 2 application in your MEAN project Use Socket.io to create real-time communication between your client and server Test your application's Express and Angular 2 entities In Detail The MEAN stack is a collection of the most popular modern tools for web development that helps you build fast, robust, and maintainable web applications. Starting with the MEAN core frameworks, this pragmatic guide will explain the key concepts of each framework, how to set them up properly, and how to use popular modules to connect it all together. By following the real-world examples shown in this tutorial, you will scaffold your MEAN application architecture, add an authentication layer, and develop an MVC structure to support your project development. You will learn the best practices of maintaining clear and simple code and will see how to avoid common pitfalls. Finally, you will walk through the different tools and frameworks that will help expedite your daily development cycles. Watch how your application development grows by learning from the only guide that is solely orientated towards building a full, end-to-end, real-time

application using the MEAN stack! Style and approach This comprehensive guide covers every part of the MEAN stack, and focuses on the gestalt power of the apps they can create through practical, real-world examples

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 Over 50 recipes that will help you use the Intel Galileo board to build exciting network-connected projects About This Book Create networking applications using the Intel Galileo board Control your web-based projects in real time from anywhere in the world Connect to the Temboo web service to interact with a huge range of APIs Who This Book Is For If you have already worked on ARM boards like Arduino, but now want to learn Intel Galileo, then this book is for you. Knowledge of C programming language is required. What You Will Learn Set up your Galileo board for the Internet of Things Connect external sensors to the Intel Galileo Create and run a web server on the Galileo board Control hardware devices from the Galileo Host web-based applications on the Intel Galileo Monitor data from the cloud using the Galileo Build a complete home automation hub using the Galileo board In Detail Arduino is an electronic prototyping platform used by millions of people around the world. Intel Galileo is fully Arduino compatible; hence it combines the high performance of Intel with the simplicity of Arduino Software Development Environment. This makes it the ideal platform to build exciting projects, especially in the field of web-based connected applications and the Internet of Things. The book features several recipes all based on the Intel Galileo board, and that exploit the powerful features of the board. Each chapter explores a given field using the Galileo board. The book is mainly divided in three parts. The first part is all about

learning the basics of the Intel Galileo board, but it uses some of the powerful features of the board such as connecting external sensors and complex hardware devices, compared with more basic Arduino boards. Then, the book dives into the topics related to networking and the Internet of Things. You will learn how to run a web server on the board and log data using a cloud-based service. Finally, the book ends with a chapter that aims to build a complete home automation hub using the Galileo board. This chapter uses everything that was learned in the book to make a home automation system using the Galileo board and Arduino. Style and approach This book contains exciting recipes that will help you create projects using the Intel Galileo platform to build systems in various domains like local networking applications, the Internet of Things, and home automation. Each recipe is explained in a step-by-step fashion, always starting with the assembly of the hardware, followed by basics tests of all hardware components. At the end, an exciting project is built using the knowledge acquired in the rest of the book. Problem solving with JavaScript is a lot trickier now that its use has expanded considerably in size, scope, and complexity. This cookbook has your back, with recipes for common tasks across the JavaScript world, whether you're working in the browser, the server, or a mobile environment. Each recipe includes reusable code and practical advice for tackling JavaScript objects, Node, Ajax, JSON, data persistence, graphical and media applications, complex frameworks, modular JavaScript, APIs, and many related technologies. Aimed at people who have some experience with JavaScript, the first part covers traditional uses of JavaScript, along with new ideas and improved functionality. The second part dives into the server, mobile development, and a plethora of leading-edge tools. You'll save time—and learn more about JavaScript in the process. Topics include:

Classic JavaScript: Arrays, functions, and the JavaScript Object Accessing the user interface Testing and accessibility Creating and using JavaScript libraries Client-server communication with Ajax Rich, interactive web effects JavaScript, All Blown Up: New ECMAScript standard objects Using Node on the server Modularizing and managing JavaScript Complex JavaScript frameworks Advanced client-server communications Visualizations and client-server graphics Mobile application development

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.

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.

Getting started with MongoDB is easy, but once you begin building applications with it, you'll face some complex issues. What are the tradeoffs between normalized and denormalized data? How do you handle replica set failure and failover? This collection of MongoDB tips, tricks, and hacks helps you resolve issues with everything from application design and implementation to data safety and monitoring. You get specific guidance in five topic areas directly from engineers at 10gen, the company that develops and supports this open source database: Application Design Tips: What to keep in mind when designing your schema Implementation Tips: Programming applications against MongoDB Optimization Tips: Speeding up your applications Data Safety Tips: Using replication and journaling to keep data safe—without sacrificing too much performance Administration Tips: How to configure MongoDB and keep it running smoothly

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

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Lesson 36 - Testing your application Lesson 37 -
Capstone: Deploying Confetti Cuisine
Take your JavaScript knowledge as far as it can go
JavaScript has grown up, and it's a hot topic. Newer
and fasterJavaScript VMs and frameworks built upon
them have increased thepopularity of JavaScript for
server-side web applications, and richJS applications
are being developed for mobile devices. This
bookdelivers a compelling tutorial, showing you how
to build areal-world app from the ground up.
Experienced developers who wantto master the
latest techniques and redefine their skills will findthis
deep dive into JavaScript's hidden functionalities
gives themthe tools to create truly amazing and
complex applications. JavaScript has evolved into
much more than simple client-sidescripting; this book
delves into advanced topics not generallyfound in
other more intermediate JS development books
Expert author delivers an in-depth tutorial showing
how tobuild a real-world app that is loosely coupled,
with each componentbuilt to exist separately
Explores how to build a backbone app, the
importance ofJavaScript templates, Node.js and

MongoDB, 3D Canvas using WebGL /Three.js, how to convert a desktop app into a dedicated mobile app,and much more Ideal for experienced developers with a deep knowledge ofJavaScript as well as online developers with strong graphic designskills who are experienced in HTML/CSS and want to develop theirfront-end skills JavaScript Programming: Pushing the Limits will arm youwith the skills to create killer apps for the 21st Century. Implementing Oracle API Platform Cloud Service moves from theory to practice using the newest Oracle API management platform. This critical new platform for Oracle developers allows you to interface the complex array of services your clients expect in the modern world.

With Pro iOS and Android Apps for Business, you can take your web development experience and apply it toward creating a full-featured business app, from soup to nuts. Frank Zammetti shows you how to create a client app using jQuery Mobile wrapped in PhoneGap, and how to create a node.js-based server that uses MongoDB as its data store. You never have to deal with learning Objective-C, Java or any other difficult-to-learn language. Instead, you can build on your existing HTML5, JavaScript and CSS experience to quickly and effectively build any app your business needs. You can apply this knowledge to iOS and Android apps as well as other mobile platforms since the technologies used

support most modern mobile platforms as well. You'll learn: How to design a full-featured app, including requirements like offline access How to build the client-side of the app using jQuery Mobile, including adding stub code for calling the node.js server How to create a simple server with node.js and interact with it using REST How to use MongoDB with node.js for data storage How to use PhoneGap to ready your app for mobile deployment How to test and debug your app on iOS and Android Pro iOS and Android Apps for Business is for experienced web developers who need to get up to speed quickly in building iOS and Android apps for business. Are you ready to join the mobile revolution using the same technologies you already use to build great web applications? If so, this is the book for you! What you'll learn How to design a full-featured app, including requirements like offline access How to build the client-side of the app using jQuery Mobile, including adding stub code for calling the node.js server How to create a simple server with node.js and interact with it using REST How to use MongoDB with node.js for data storage How to use PhoneGap to ready your app for mobile deployment How to test and debug your app on iOS and Android Who this book is for Experienced web devs who need to get up to speed quickly in building iOS and Android apps for business. HTML/CSS/JavaScript experience highly recommended. Table of

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This book is aimed at web developers who are familiar with frontend technologies like JavaScript, HTML, and CSS, and modern tools like Bower, Yeoman, and Grunt.

Studies of sexual selection, interspecific mutualism, and intraspecific cooperation show that individuals exchange commodities to their mutual benefit. The exchange values of commodities are a source of conflict, and behavioral mechanisms such as partner choice and contest between competitors determines the composition of trading pairs or groups. These "biological markets" can be examined to gain a better understanding of the underlying principles of evolutionary ecology. In this volume scientists from different disciplines combine insights from economics, evolutionary biology, and the social sciences to look at comparative aspects of economic

behavior in humans and other animals.

This book is a mini tutorial full of code examples and strategies to give you plenty of options when building your own applications with MongoDB.This book is ideal for people who want to develop applications on the Node.js stack quickly and efficiently. Prior knowledge of the stack is not essential as the book briefly covers the installation of the core components and builds all aspects of the example application. The focus of the book is on what Mongoose adds to you applications, so experienced Node.js developers will also benefit.

Traditionally, web applications have been architected so that the back-end houses all the front-end code. This has resulted in heavy projects that are difficult to manage and scale. This book will explain a new way to write web applications by treating the front-end as if it were a third-party (such as a mobile client). This book, written by a practicing MEAN developer, will take a holistic approach to using the MEAN JavaScript platform for creating modern web applications and lay out how to use the MEAN (Mongo, Express, AngularJS, and Node.js) set of tools to create a web application, from installation and setup of the tools to debugging and deploying your app. After an introduction to how web development is changing and the advantages of using the MEAN stack, the author jumps into an introduction to each tool and then dives into using

the complete JavaScript-based application stack to build, test, and deploy apps.

Whether you're building a social media site or an internal-use enterprise application, this hands-on guide shows you the connection between MongoDB and the business problems it's designed to solve. You'll learn how to apply MongoDB design patterns to several challenging domains, such as ecommerce, content management, and online gaming. Using Python and JavaScript code examples, you'll discover how MongoDB lets you scale your data model while simplifying the development process. Many businesses launch NoSQL databases without understanding the techniques for using their features most effectively. This book demonstrates the benefits of document embedding, polymorphic schemas, and other MongoDB patterns for tackling specific big data use cases, including: Operational intelligence: Perform real-time analytics of business data Ecommerce: Use MongoDB as a product catalog master or inventory management system Content management: Learn methods for storing content nodes, binary assets, and discussions Online advertising networks: Apply techniques for frequency capping ad impressions, and keyword targeting and bidding Social networking: Learn how to store a complex social graph, modeled after Google+ Online gaming: Provide concurrent access to character and

world data for a multiplayer role-playing game Build an interactive and full-featured web application from scratch using Node.js and MongoDB About This Book Configure your development environment to use Node.js and MongoDB Use Node.js to connect to a MongoDB database and perform data manipulations A practical guide with clear instructions to design and develop a complete web application from start to finish Who This Book Is For This book is designed for JavaScript developers of any skill level that want to get up and running using Node.js and MongoDB to build full-featured web applications. A basic understanding of JavaScript and HTML is the only requirement for this book. What You Will Learn Configure your development environment to use Node.js and MongoDB Write and configure a web server using Node.js powered by the Express.js framework Build dynamic HTML pages using the Handlebars template engine Persist application data using MongoDB and Mongoose ODM Test your code using automated testing tools such as the Mocha framework Deploy the development environment to the cloud using services such as Heroku, Amazon Web Services, and Microsoft Azure Explore Single-Page application frameworks to take your web applications to the next level In Detail Node.js and MongoDB are quickly becoming one of the most popular tech stacks for the web. Powered by Google's V8 engine, Node.js

caters to easily building fast, scalable network applications while MongoDB is the perfect fit as a scalable, high-performance, open source NoSQL database solution. Using these two technologies together, web applications can be built quickly and easily and deployed to the cloud with very little difficulty. The book will begin by introducing you to the groundwork needed to set up the development environment. Here, you will quickly run through the steps necessary to get the main application server up and running. Then you will see how to use Node.js to connect to a MongoDB database and perform data manipulations. From here on, the book will take you through integration with third-party tools for interaction with web apps. It then moves on to show you how to use controllers and view models to generate reusable code that will reduce development time. Toward the end of the book, we will cover tests to properly execute the code and some popular frameworks for developing web applications. By the end of the book, you will have a running web application developed with MongoDB and Node.js along with it's popular frameworks. Style and approach An easy guide to Node.js and MongoDB, which will quickly introduce you to the relevant concepts by taking you through the different steps involved in building a full-fledged web application. The MERN stack is a collection of great tools – MongoDB, ExpressJS, React, and Node – that

provide a strong base for a developer to build easily maintainable web applications. With each of them a JavaScript or JavaScript-based technology, the shared programming language means it takes less time to develop web applications.

Build dynamic web applications with Express, a key component of the Node/JavaScript development stack. In this updated edition, author Ethan Brown teaches you Express fundamentals by walking you through the development of an example application. This hands-on guide covers everything from server-side rendering to API development suitable for usein single-page apps (SPAs). Express strikes a balance between a robust framework and no framework at all, allowing you a free hand in your architecture choices. Frontend and backend engineers familiar with JavaScript will also learn best practices for building multipage and hybrid web apps with Express. Pick up this book anddiscover new ways to look at web development. Create a templating system for rendering dynamic data Dive into request and response objects, middleware, and URL routing Simulate a production environment for testing Persist data in document databases with MongoDB and relational databases with PostgreSQL Make your resources available to other programs with APIs Build secure apps with authentication, authorization, and HTTPS Integrate with social media, geolocation, and more Implement a plan for launching and

maintaining your app Learn critical debugging skills Design and implement scalable and maintainable RESTful solutions with Node.js 10 Key Features Create rich and scalable RESTful API solutions from scratch Explore the new features of Node.js 10, Express 4.0, and MongoDB Integrate MongoDB in your Node.js application to store and secure your data Book Description When building RESTful services, it is really important to choose the right framework. Node.js, with its asynchronous, event-driven architecture, is exactly the right choice for building RESTful APIs. This third edition of RESTful Web API Design with Node.js 10 will teach you to create scalable and rich RESTful applications based on the Node.js platform. You will be introduced to the latest NPM package handler and understand how to use it to customize your RESTful development process. You will begin by understanding the key principle that makes an HTTP application a RESTful-enabled application. After writing a simple HTTP request handler, you will create and test Node.js modules using automated tests and mock objects; explore using the NoSQL database, MongoDB, to store data; and get to grips with using self-descriptive URLs. You'll learn to set accurate HTTP status codes along with understanding how to keep your applications backward-compatible. Also, while implementing a full-fledged RESTful service, you will use Swagger to document the API and implement

automation tests for a REST-enabled endpoint with Mocha. Lastly, you will explore some authentication techniques to secure your application. What you will learn Install, develop, and test your own Node.js user modules Understand the differences between HTTP and RESTful applications Use self-descriptive URLs and set accurate HTTP status codes Eliminate third-party dependencies in your tests with mocking Implement automation tests for a REST-enabled endpoint with Mocha Secure your services with NoSQL database integration within Node.js applications Integrate a simple frontend using JavaScript libraries available on a CDN server Who this book is for If you are a web developer keen to enrich your development skills to create server-side RESTful applications based on the Node.js platform, this book is for you. Some knowledge of REST would be an added advantage, but is definitely not a necessity.

Manage the huMONGOus amount of data collected through your web application with MongoDB. This authoritative introduction—written by a core contributor to the project—shows you the many advantages of using document-oriented databases, and demonstrates how this reliable, high-performance system allows for almost infinite horizontal scalability. This updated second edition provides guidance for database developers, advanced configuration for system administrators,

and an overview of the concepts and use cases for other people on your project. Ideal for NoSQL newcomers and experienced MongoDB users alike, this guide provides numerous real-world schema design examples. Get started with MongoDB core concepts and vocabulary Perform basic write operations at different levels of safety and speed Create complex queries, with options for limiting, skipping, and sorting results Design an application that works well with MongoDB Aggregate data, including counting, finding distinct values, grouping documents, and using MapReduce Gather and interpret statistics about your collections and databases Set up replica sets and automatic failover in MongoDB Use sharding to scale horizontally, and learn how it impacts applications Delve into monitoring, security and authentication, backup/restore, and other administrative tasks Enrich your software design skills and take a guided tour of the wild, vast, and untamed frontier that is JavaScript development. Especially useful for frontend developers, this revision includes specific chapters on React and VueJS, as well as an updated one on Angular. To help you get the most of your new skills, each chapter also has a "further reading" section. This book will serve as an introduction to both new and well established libraries and frameworks, such as Angular, VueJS, React, Grunt, Yeoman, RequireJS, Browserify,

Knockout, Kraken, Async.js, Underscore, and Lodash. It also covers utilities that have gained popular traction and support from seasoned developers and tools applicable to the entire development stack, both client- and server-side. While no single book can possibly cover every JavaScript library of value, JavaScript Frameworks for Modern Web Development focuses on incredibly useful libraries and frameworks that production software uses. You will be treated to detailed analyses and sample code for tools that manage dependencies, structure code in a modular fashion, automate repetitive build tasks, create specialized servers, structure client side applications, facilitate horizontal scaling, and interacting with disparate data stores. What You'll Learn Work with a variety of JavaScript frameworks, such as Angular, Vue, React, RequireJS, Knockout, and more Choose the right framework for different types of projects Employ the appropriate libraries and tools in your projects Discover useful JavaScript development tools such as Grunt, Yeoman, Lodash, etc. Who This Book Is For Web developers of all levels of ability; particularly relevant for front-end developers, server-side coders, and developers interested in learning JavaScript.

Cyber-criminals have your web applications in their crosshairs. They search for and exploit common security mistakes in your web application to steal

user data. Learn how you can secure your Node.js applications, database and web server to avoid these security holes. Discover the primary attack vectors against web applications, and implement security best practices and effective countermeasures. Coding securely will make you a stronger web developer and analyst, and you'll protect your users. Bake security into your code from the start. See how to protect your Node.js applications at every point in the software development life cycle, from setting up the application environment to configuring the database and adding new functionality. You'll follow application security best practices and analyze common coding errors in applications as you work through the real-world scenarios in this book. Protect your database calls from database injection attacks and learn how to securely handle user authentication within your application. Configure your servers securely and build in proper access controls to protect both the web application and all the users using the service. Defend your application from denial of service attacks. Understand how malicious actors target coding flaws and lapses in programming logic to break in to web applications to steal information and disrupt operations. Work through examples illustrating security methods in Node.js. Learn defenses to protect user data flowing in and out of the application. By the end of the book, you'll

understand the world of web application security, how to avoid building web applications that attackers consider an easy target, and how to increase your value as a programmer. What You Need: In this book we will be using mainly Node.js. The book covers the basics of JavaScript and Node.js. Since most Web applications have some kind of a database backend, examples in this book work with some of the more popular databases, including MySQL, MongoDB, and Redis.

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 potentials issues - a feature that is especially useful in non-compiled languages like JavaScript. Practical Node.js is your step-by-step guide to learning how to build a wide range of scalable real-world web applications using a professional development toolkit. Node.js is an innovative and highly efficient platform for creating web services. But Node.js doesn't live in a vacuum! In a modern web development, many different components need to be put together — routing, database driver, ORM, session management, OAuth, HTML template engine, CSS compiler and many more. 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. As a web developer, you'll work with a varied collection of standards and frameworks - Practical Node.js shows you how all those pieces fit together. Practical Node.js takes you from installing all the necessary modules to writing full-stack web applications by harnessing the power of the Express.js and Hapi frameworks, the MongoDB database with Mongoskin and Mongoose, Jade and Handlebars template engines, Stylus and LESS CSS languages, OAuth and Everyauth libraries, and the Socket.IO and Derby libraries, and everything in between. The book 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! 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.

Use JSON for building web applications with technologies like HTML, JavaScript, Angular, Node.js, Hapi.js, Kafka, socket.io, MongoDB, Gulp.js, and handlebar.js, and others formats like GEOJSON, JSON-LD, MessagePack, and BSON. Key Features Use JSON with trending technologies like Angular, Hapi.js, MongoDB, Kafka, and Socket.io Debug, validate, and format JSON using developer toolkits, JSONLint, and JSON Editor Online Explore other JSON formats like GeoJSON, JSON-LD, BSON, and MessagePack Book

Description JSON is an established and standard format used to exchange data. This book shows how JSON plays different roles in full web development through examples. By the end of this book, you'll have a new perspective on providing solutions for your applications and handling their complexities. After establishing a strong basic foundation with JSON, you'll learn to build frontend apps by creating a carousel. Next, you'll learn to implement JSON with Angular 5, Node.js, template embedding, and composer.json in PHP. This book will also help you implement Hapi.js (known for its JSON-configurable architecture) for server-side scripting. You'll learn to implement JSON for real-time apps using Kafka, as well as how to implement JSON for a task runner, and for MongoDB BSON storage. The book ends with some case studies on JSON formats to help you sharpen your creativity by exploring futuristic JSON implementations. By the end of the book, you'll be up and running with all the essential features of JSON and JavaScript and able to build fast, scalable, and efficient web applications. What you will learn Use JSON to store metadata for dependency managers, package managers, configuration managers, and metadata stores Handle asynchronous behavior in applications using callbacks, promises, generators, and async-await functions Use JSON for Angular 5, Node.js, Gulp.js, and Hapi.js Implement JSON as BSON in MongoDB Make use of JSON in developing

automation scripts Implement JSON for realtime using socket.io and distributed systems using Kafka Who this book is for If you're a web developer with a basic understanding of JavaScript and want to write JSON data, integrate it with RESTful APIs to create faster and scalable applications, this book is for you. 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. With this hands-on guide, you'll quickly master Node's core fundamentals, gain experience with several built-in and contributed modules, and learn the differences and parallels between client- and server-side programming. 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 numerous programming and deployment examples to help you take advantage of server-side development with Node. Explore Node's unique approach to asynchronous development Build sample Node applications with the Express framework and Connect middleware Use NoSQL solutions such as Redis and MongoDB—and explore Node's relational database modules Work with PDF files, serve HTML5 media, and create graphics with Canvas Set up bidirectional communication between browser

and server with WebSockets Learn in-depth
practices for debugging and testing your applications
Deploy Node applications in the cloud or on your
own system "Learning Node will make it easy for
someone from any programming background to get
a grip on Node.js and build amazing projects." —Tom
Hughes-Croucher, co-author of Node: Up and
Running (O'Reilly)

Node.js Recipes is your one-stop reference for
solving Node.js problems. Filled with useful recipes
that follow a problem/solution format, you can look
up recipes for many situations that you may come
across in your day-to-day server-side development.
Node.js is accessible to those who not only relish in
server-side programming but also web developers
who understand the ubiquitous language of the web.
Node.js Recipes covers all the essential ingredients
required to become a seasoned Node.js developer in
no time - make it your indispensable reference
today. What you'll learn Learn Node.js's beginnings
and what problems it addresses Build an
understanding of Node.js's native capabilities
Create servers that communicate via TCP/IP, HTTP,
and HTTPS Understand and implement test-driven
development practices Successfully work with
FileSystem, events, and child processes Create a
WebSocket server, use Socket.io, and frameworks
such as ExpressJS and Yahoo! Mojito Connect to a
DataStore using Mongoose, MongoDB, MySQL and

CouchDB Implement security and cryptography using HMAC and TLS Test synchronous and asynchronous code, and build a full test suite Debug and deploy your application to Heroku, Nodejitsu and Windows Azure Use Amazon Web Services to successfully host your Node.js application Who this book is for Node.js Recipes is for the reader who has some familiarity with JavaScript. They may have experience writing server-side JavaScript, but would like to get a more sound understanding of the capabilities that Node.js holds. This book will give them recipes enabling them to hone their JavaScript skills in a way that will harness Node.js and help them wrangle JavaScript on the server. Table of Contents Understanding Node.js Networking with Node.js Working with the FileSystem Building a Web Server Using Events and Child Processes Implementing Security and Cryptography Discovering Other Node.js Modules Creating a WebSocket Server Using Web Server Frameworks Connecting to a DataStore Testing in Node.js Debugging and Deploying your Application Copyright: 3bd0eb2ed05c036a30981ee6022b2961