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JavaScript from Frontend to Backend **Modern Full-Stack Development** *Full Stack JavaScript Full-Stack React Projects* *Full Stack JavaScript Development with MEAN* *Web Development with Node and Express* **Full Stack JavaScript Development with MEAN** *Full Stack JavaScript Development With MEAN* **Full Stack JavaScript MEAN Web Development** *Full-Stack JavaScript Development Web Application Development with MEAN* *Full Stack Web Development For Beginners* *MEAN Web Development* *Web Development with Node and Express* *Professional JavaScript Learning* *Full-Stack JavaScript Development: MongoDB, Node, and React* *Full Stack Development with JHipster* **Meteor: Full-Stack Web Application Development** **Full Stack Web Development with Raspberry Pi 3** *Full-Stack Web Development with GraphQL and React* *Full Stack Web Development with Backbone.js* **Pro MEAN Stack Development** *Hands-On Full Stack Development with Spring Boot 2 and React* **Pro MERN Stack Hands-On Full Stack Web Development with Aurelia** *Full Stack Development with Spring Boot and React* *Modern Full-Stack Development* *Hands-On Full Stack Development with Spring Boot 2.0 and React* *Mastering JavaScript Single Page Application Development* *Full-Stack JavaScript Development* **The Complete JavaScript Developer** *The Full Stack Developer* *Full-Stack Web Development with Vue.js and Node* *Hands-On Full-Stack Web Development with GraphQL and React* **JavaScript: the Hidden Parts** *Learn Full-Stack JavaScript Development* **Hands-on JavaScript for Python Developers** *Learning Full-Stack JavaScript Development: MongoDB, Node, and React* *Getting MEAN with Mongo, Express, Angular, and Node*

Unleash the power of GraphQL, React 17, Node, and Express to build a scalable and production-ready application from scratch to be deployed on AWS Key Features Build full-stack applications with modern APIs using GraphQL and React Hooks Integrate Apollo into React and build frontend components using GraphQL Implement a self-updating notification pop-up with a unique GraphQL feature called Subscriptions Book Description React and GraphQL, when combined, provide you with a very dynamic, efficient, and stable tech stack to build web-based applications. GraphQL is a modern solution for querying an API that represents an alternative to REST and is the next evolution in web development. This book guides you in creating a full-stack web application from scratch using modern web technologies such as Apollo, Express.js, Node.js, and React. First, you'll start by configuring and setting up your development environment. Next, the book demonstrates how to solve complex problems with GraphQL, such as abstracting multi-table database architectures and handling image uploads using Sequelize. You'll then build a complete GraphQL API from scratch. While doing so, you'll cover the tricky parts of connecting React to the backend, and maintaining and synchronizing state. In addition to this, you'll also learn how to write Reusable React components and use React Hooks. Later chapters will guide you through querying data and authenticating users in order to enable user privacy. Finally, you'll explore how to deploy your application on AWS and ensure continuous deployment using Docker and CircleCI. By the end of this web development book, you'll have learned how to build and deploy scalable full-stack applications with ease using React and GraphQL. What you will learn Build a GraphQL API by implementing models and schemas with Apollo and Sequelize Set up an Apollo Client and build frontend components using React Write Reusable React components and use React Hooks Authenticate and query user data using GraphQL Use Mocha to write test cases for your full-stack application Deploy your application to AWS using Docker and CircleCI Who this book is for

This React GraphQL book is for web developers familiar with React and GraphQL who want to enhance their skills and build full-stack applications using industry standards like React, Apollo, Node.js, and SQL at scale while learning to solve complex problems with GraphQL. Explore what React, Node, TypeScript, Webpack, and Docker have to offer individually, and how they all fit together in modern app development. React is one of the most popular web development tools available today, and Node.js is extremely popular for server-side development. The fact that both utilize JavaScript is a big selling point, but as developers use the language more, they begin to recognize the shortcomings, and that's where TypeScript comes in and why it's gaining in popularity quickly. Add Webpack and Docker to the mix, and you've got a potent full development stack on which to build applications. You'll begin by building a solid foundation of knowledge and quickly expand it by constructing two different real-world apps. These aren't just simple, contrived examples but real apps that you can choose to install on your servers and use for real. By the end, you will have a solid grasp of building apps with React, Node.js, and TypeScript and a good grasp on how Webpack can be used to optimize and organize your code for deployment. You'll also understand how Docker can be used to run the apps you build in a clear and well-defined way, all of which will be able to springboard you into creating more advanced apps on your own.

What You'll Learn

- Get a project started and logically structure it
- Construct a user interface with React and Material-UI
- Use WebSockets for real-time communication between client and server
- Build a REST API with Node and Express as another approach to client-server communication
- Package the app with Webpack for optimized delivery
- Take a completed app and wrap it up with Docker for easy distribution
- Review a host of other ancillary topics including NPM, Semantic versioning, Babel, NoSQL, and more

Who This Book Is For

Web developers with basic knowledge of HTML, JavaScript, CSS, and CLI tools who are interested in and in all aspects of application development, and using TypeScript instead of straight JavaScript. Bring the frontend and backend together with Vue, Vuex, and Node.js

Key Features

- Construct modern web applications with Node 10, Express.js, MongoDB, and Vue
- Leverage the latest web standards to increase code performance, readability, and cross-compatibility
- Harness the power of the JavaScript ecosystem to effectively run, build, and test your full stack applications

Book Description

Isomorphic JavaScript was the buzzword of the year 2017, allowing developers to utilize a single language throughout their web development stack and build cost-effective and scalable applications. MEVN is a one such modern web development stack consisting of web applications such as MongoDB, Express.js, Vue.js, and Node.js. Hands-On Full-Stack Web Development with Vue.js 2 and Node.js leverages the harmony of these technologies to help you create full-stack web applications. Starting with the core frameworks, this example-based guide explains all the key concepts of frameworks, how to set them up properly, and how to use popular modules to connect them together and make them work cohesively. You will learn all this with the help of real-world examples. In addition to this, you will be able to scaffold web application architecture, add an authentication layer, and develop the MVC structure to support the development of your application. You'll explore how to create data models for your applications and then write REST APIs by exposing your data model to your application. Solely orientated towards building a full, end-to-end application using the MEVN stack, this book will help you understand how your application development grows. What you will learn

- Build an application with Express.js
- Create schemas using Mongoose
- Develop a single-page application using Vue.js and Express.js
- Create RESTful APIs using Express.js
- Add test cases to improve the reliability of the application
- Learn how to deploy apps on Heroku using GitHub
- Add authorization using passports

Who this book is for

If you are a web or a full-stack JavaScript developer, and have tried your hand at traditional stacks such as LAMP, MEAN or MERN, or wish to explore a new stack with modern web technologies, then this book is for you. Prior knowledge of HTML, CSS, and JavaScript would be an added advantage. While plenty of educational material exists for beginning and advanced JavaScript developers, resources for intermediate-level engineers are scarce. Yet this is the career step where many developers often get stuck. With this practical book,

you'll learn how to apply JavaScript theory in real projects, manage every stage of the software development lifecycle, and move your career forward. Author Milecia McGregor takes frontend, backend, and full stack engineers through all of the steps and considerations of senior JavaScript engineers, including making decisions based on product and user feedback. By the time you finish this book, you'll know how to create a production-level app for any size system you face. Understand how JavaScript works under the hood, including how a real software development lifecycle works Learn how to make decisions when building a long-term maintainable JavaScript project Explore the software development lifecycle from project ideation to production deployment with JavaScript code Gain a better understanding of complex JavaScript issues such as closures, generators, and the event loop Learn when you should take specific approaches to keep a project moving on the technical side With modern tools, it is possible to create a production grade, full-stack application using HTML, CSS, and JavaScript alone. The combination of MongoDB, Express, AngularJS, and Node.js has become so popular that it has earned the title MEAN stack -- the subject of this book. This book explores the MEAN stack in detail. We will begin by covering Node.js, as it will lay the groundwork for all of our server-side work. You will learn how to get Node running on your local machine as well as download modules using npm. The key aspects of the Node.js programming model will also be covered. From there, we will move on to MongoDB, where you'll learn how to interact with Mongo from a Node application. You will also learn how to create, retrieve, update, and delete data from a Mongo store. After you have a solid grasp on Node and Mongo, the book will move on to the Express web server. We'll cover the basics of Express applications via topics like routes and middleware. Building on previous chapters, we will cover the integration of Node, Mongo, and Express. Our coverage of the MEAN stack will wrap up with several chapters on AngularJS. These chapters will cover Angular fundamentals like data binding, directives, controllers, routing, and services. In an effort to explore competing technologies, a slight introduction to Ember.js will also be provided. Full stack JavaScript is not fully encompassed by the MEAN stack. There is an entire ecosystem of JavaScript tools to learn about, and this book will introduce a few of them. We will cover task runners Gulp.js and Grunt.js which are extremely useful for automating mundane, repetitive tasks. We'll also cover JSHint, a linting tool used to improve code quality. Linting tools analyze source code and report potential issues - a feature that is especially useful in non-compiled languages like JavaScript. 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 use in 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 and discover 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 Assemble the complete stack required to build a modern web app using MongoDB, Express, React, and Node. This book also covers many other complementary tools: React Router, GraphQL, React-Bootstrap, Babel, and Webpack. This new edition will use the latest version of React (React 16) and the latest React Router (React Router 4), which has a significantly different approach to routing compared to React Router 2 which was used in the first edition of the book. Though the primary focus of Pro MERN Stack is to equip you with all that is required to build a full-fledged web application, a large portion of the book will be devoted to React 16. The popular MEAN (MongoDB, Express, AngularJS, Node) stack introduced

Single Page Apps (SPAs) and front-end Model-View-Controller (MVC) as new and efficient paradigms. Facebook's React is a technology that competes indirectly with AngularJS. It is not a full-fledged MVC framework. It is a JavaScript library for building user interfaces (in some sense the View part). Yet, it is possible to build a web app by replacing AngularJS with React – hence the term MERN stack.

What You Will Learn

- Discover the features of React 16 to get the maximum out of this library
- Gain the basics of MongoDB, Express, and Node to build a web app
- Work with other libraries complementary to React, including React-Bootstrap, React Router, and GraphQL
- Use tools such as Babel and Webpack required to build JavaScript-based SPAs
- Tie all the components together to build a complete web app.

Who This Book Is For

Developers and architects who have prior experience in any web app stack other than the MERN stack will find the book useful to learn about this modern stack. Prior knowledge of JavaScript, HTML, and CSS is required.

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.

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Discover how to build full stack web applications with the Raspberry Pi 3

About This Book

Leverage JavaScript, HTML5, and Cloud APIs to create visual representations and interactive web pages. Learn to install and use a Node.js-based web framework to develop Raspberry Pi 3-powered web applications. A step-by-step guide that will cover from setting up a embedded system to developing embedded, device-powered interactive web applications.

Who This Book Is For

This book is aimed at hobbyist, enthusiasts, and developers eager to develop embedded device-powered web applications. Prior programming experience with JavaScript, HTML5, and Node.JS will be beneficial.

What You Will Learn

- Get up and running with your Raspberry Pi
- Go full stack! Learn about the end-to-end development process for web applications, right from the OS up to the actual HTML web interface
- Discover that JavaScript is one of the fastest growing languages today, and is the only language that can be used both on a browser and server. This book will empower you to develop in a complete JavaScript stack
- See that the IoT is everywhere! Connect your application to the outside world. Make use of sensors in your Raspberry Pi to give your application an edge, and unleash the full

power of the Internet of Things Build a rich UI with beautiful charts and data visualizations that can run on any browser Make your software data-driven. Learn how to utilize SQLite to collect and analyze data from multiple systems In Detail Modern web technology and portable computing together have enabled huge advances in the Internet of Things (IoT) space, as well as in areas such as machine learning and big data. The Raspberry Pi is a very popular portable computer for running full stack web applications. This book will empower you to master this rapidly evolving technology to develop complex web applications and interfaces. This book starts by familiarizing you with the various components that make up the web development stack and that will integrate into your Raspberry Pi-powered web applications. It also introduces the Raspberry Pi computer and teach you how to get up and running with a brand new one. Next, this book introduces you to the different kinds of sensor you'll use to make your applications; using these skills, you will be able to create full stack web applications and make them available to users via a web interface. Later, this book will also teach you how to build interactive web applications using JavaScript and HTML5 for the visual representation of sensor data. Finally, this book will teach you how to use a SQLite database to store and retrieve sensor data from multiple Raspberry Pi computers. By the end of this book you will be able to create complex full stack web applications on the Raspberry Pi 3 and will have improved your application's performance and usability. Style and approach Step-by-step instructions on developing a full stack web application and deploying it to the Cloud. Learn by doing! Learn full-stack JavaScript development by building a web application with MongoDB, Node.js, and React.js. Learn how to use Node as a web server and an API server, how to consume data and build user interfaces with React, and how to read and write data with a MongoDB database. React allows you to build full-featured, data-driven applications faster and more efficiently than what is possible with JavaScript alone. Samer Buna introduces modern JavaScript programming concepts, with an emphasis on functional methods and open-source tools. The lessons are almost completely hands-on, with live coding demonstrations that bring the concepts home. Written by the core development team of JHipster and fully updated for JHipster 6, Java 11, and Spring Boot 2.1, this book will show you how to build modern web applications with real-world examples and best practices Key Features Build full stack applications with modern JavaScript frameworks such as Angular, React, and Vue.js Explore the JHipster microservices stack, which includes Spring Cloud, Netflix OSS, and the Elastic Stack Learn advanced local and cloud deployment strategies using Docker and Kubernetes Book Description JHipster is an open source development platform that allows you to easily create web apps and microservices from scratch without spending time on wiring and integrating different technologies. Updated to include JHipster 6, Java 11, Spring Boot 2.1, Vue.js, and Istio, this second edition of Full Stack Development with JHipster will help you build full stack applications and microservices seamlessly. You'll start by understanding JHipster and its associated tools, along with the essentials of full stack development, before building a monolithic web app. You'll then learn the JHipster Domain Language (JDL) with entity modeling using JDL-Studio. With this book, you'll create production-ready web apps using Spring Boot, Spring Framework, Angular, and Bootstrap, and run tests and set up continuous integration pipelines with Jenkins. As you advance, you'll learn how to convert your monoliths to microservices and how to package your application for production with various deployment options, including Heroku and Google Cloud. You'll also learn about Docker and Kubernetes, along with an introduction to the Istio service mesh. Finally, you'll build your client-side with React and Vue.js and discover JHipster's best practices. By the end of the book, you'll be able to leverage the best tools available to build modern web apps. What you will learn Create full stack apps from scratch using the latest features of JHipster 6 and Spring Boot 2.1 Build business logic by creating and developing entity models using JDL Understand how to convert a monolithic architecture into a full-fledged microservices architecture Build and package your apps for production using Docker Deploy your application to Google Cloud with Kubernetes Create continuous integration/continuous delivery pipelines with Jenkins Create applications using Angular, React, and Vue.js client-side

frameworks Who this book is for This book is for full stack developers who want to build web applications and microservices speedily without writing a lot of boilerplate code. If you're a backend developer looking to learn full stack development with JavaScript frameworks and libraries such as Angular, React, and Vue.js, you'll find this book useful. Experience in building Java web applications is required. Some exposure to the Spring Framework would be beneficial but not necessary to get the most out of this book. Unearth the power of GraphQL, React, Apollo, Node, and Express to build a scalable, production ready application

Key Features Build full stack applications with modern APIs using GraphQL and Apollo Integrate Apollo into React and build frontend components using GraphQL Implement a self-updating notification pop-up with a unique GraphQL feature called Subscriptions

Book Description React, one of the most widely used JavaScript frameworks, allows developers to build fast and scalable front end applications for any use case. GraphQL is the modern way of querying an API. It represents an alternative to REST and is the next evolution in web development. Combining these two revolutionary technologies will give you a future-proof and scalable stack you can start building your business around. This book will guide you in implementing applications by using React, Apollo, Node.js and SQL. We'll focus on solving complex problems with GraphQL, such as abstracting multi-table database architectures and handling image uploads. Our client, and server will be powered by Apollo. Finally we will go ahead and build a complete GraphQL app. While building the app, we'll cover the tricky parts of connecting React to the back end, and maintaining and synchronizing state. We'll learn all about querying data and authenticating users. We'll write test cases to verify the front end and back end functionality for our application and cover deployment. By the end of the book, you will be proficient in using GraphQL and React for your full-stack development requirements. What you will learn

Resolve data from multi-table database and system architectures Build a GraphQL API by implementing models and schemas with Apollo and Sequelize Set up an Apollo Client and build front end components using React Use Mocha to test your full-stack application Write complex React components and share data across them Deploy your application using Docker

Who this book is for The book is for web developers who want to enhance their skills and build complete full stack applications using industry standards. Familiarity with JavaScript, React, and GraphQL is expected to get the most from this book. A practical, project-based guide to full-stack JavaScript web development combining the power of React with industry-tested server-side technologies

Key Features Build your career as a full-stack developer with this practical guide Understand how the different aspects of a MERN application come together through a series of practical projects Master the MERN stack by building robust social media, E-commerce store, and web-based VR game apps

Book Description Facebook's React combined with industry-tested, server-side technologies, such as Node, Express, and MongoDB, enables you to develop and deploy robust real-world full-stack web apps. This updated second edition focuses on the latest versions and conventions of the technologies in this stack, along with their new features such as Hooks in React and async/await in JavaScript. The book also explores advanced topics such as implementing real-time bidding, a web-based classroom app, and data visualization in an expense tracking app.

Full-Stack React Projects will take you through the process of preparing the development environment for MERN stack-based web development, creating a basic skeleton app, and extending it to build six different web apps. You'll build apps for social media, classrooms, media streaming, online marketplaces with real-time bidding, and web-based games with virtual reality features. Throughout the book, you'll learn how MERN stack web development works, extend its capabilities for complex features, and gain actionable insights into creating MERN-based apps, along with exploring industry best practices to meet the ever-increasing demands of the real world. By the end of this React book, you'll be able to build production-ready MERN full-stack apps using advanced tools and techniques in modern web development. What you will learn

Extend a basic MERN-based application to build a variety of applications Add real-time communication capabilities with Socket.IO Implement data visualization features for React applications using Victory Develop media streaming applications using MongoDB

GridFSImprove SEO for your MERN apps by implementing server-side rendering with dataImplement user authentication and authorization using JSON web tokensSet up and use React 360 to develop user interfaces with VR capabilitiesMake your MERN stack applications reliable and scalable with industry best practicesWho this book is for This is one of the most useful web development books for JavaScript developers who may have worked with React but have minimal experience in full-stack development with Node, Express, and MongoDB. Spring Boot and React allow us to build powerful full-stack applications and also demonstrate a modern full-stack app in practice. React is a modern JavaScript library for building fast and reliable user interfaces. You will also master the process of full-stack development by leveraging Spring Boot and React Build Full-Stack applications with simple to use, yet powerful JavaScript technologies and host everything in the cloud in an economic and agile way. This book contains an all-encompassing presentation of theory, reference and implementation for building three tier architectures - Data Layer (MongoDB), Service Layer (Express/Node.js) and Presentation Layer (Angular). Learn how to architect, develop, test, secure, deploy and manage a RESTful Web Service. In-depth coverage of NPM modules like express, async, joi, helmet, jwt-simple, supertest, mongodb and more. Utilize Mocha, Fiddler and Selenium. This book is written for absolute beginners who want to become full stack web application developer. To become a professional full stack web developer you have to put on many hats. HTML5, CSS3, Bootstrap, JavaScript, MySQL, and PHP are the core technologies that you must be acquainted with to develop moderate data-driven web applications. All these technologies are voluminous and you need ample time to learn each one of them. In this fast changing technological world no one has time to go through bulky books of these core technologies. With so many web technologies out there in the market, novices are confused and do not have enough time to evaluate these technologies to decide what to pick for their career and where to start from. Keeping aside the least utilized features, I've written this book to focus on the more operational areas of these technologies that act as the first stepping stone and will provide you with a solid jump start into the exciting world of web development. This book is meant to help you learn web development quickly by yourself. It follows a tutorial approach in which hands-on exercises, augmented with illustrations, are provided to teach you web application development in a short period of time. Once you get grips on these core web development technologies through this book, you will be able to easily set the destination for your future. With uncountable sites and freely available material, this book is written due to the following reasons: Assemble all scattered pieces in one place. This volume contains HTML5, CSS3, JavaScript, Bootstrap, PHP and MySQL. Sequential instructions are provided to download and install the required software and components to setup a complete development environment on your own pc. Focus on inspiring practical aspect of these web technologies. Last but not least, move novices gradually right from creating an HTML file with a text editor, through learning HTML, CSS, JavaScript, Bootstrap, MySQL and PHP all the way to creating and deploying a professional e-commerce website that comprises static and dynamic pages. From web introduction to hands-on examples and from website designing to its deployment, this book surely is a complete resource for those who know little or nothing about professional web development. Develop your JavaScript programming skills by learning strategies and techniques commonly used in modern full-stack application development Key FeaturesWrite and deploy full-stack applications efficiently with JavaScriptDelve into JavaScript's multiple programming paradigmsGet up to speed with core concepts such as modularity and functional programming to write efficient codeBook Description In depth knowledge of JavaScript makes it easier to learn a variety of other frameworks, including React, Angular, and related tools and libraries. This book is designed to help you cover the core JavaScript concepts you need to build modern applications. You'll start by learning how to represent an HTML document in the Document Object Model (DOM). Then, you'll combine your knowledge of the DOM and Node.js to create a web scraper for practical situations. As you read through further lessons, you'll create a Node.js-based RESTful API using the Express library for Node.js. You'll also understand how modular designs can be used for better reusability and

collaboration with multiple developers on a single project. Later lessons will guide you through building unit tests, which ensure that the core functionality of your program is not affected over time. The book will also demonstrate how constructors, `async/await`, and events can load your applications quickly and efficiently. Finally, you'll gain useful insights into functional programming concepts such as immutability, pure functions, and higher-order functions. By the end of this book, you'll have the skills you need to tackle any real-world JavaScript development problem using a modern JavaScript approach, both for the client and server sides. What you will learn

- Apply the core concepts of functional programming
- Build a Node.js project that uses the Express.js library to host an API
- Create unit tests for a Node.js project to validate it
- Use the Cheerio library with Node.js to create a basic web scraper
- Develop a React interface to build processing flows
- Use callbacks as a basic way to bring control back

Who this book is for

If you want to advance from being a frontend developer to a full-stack developer and learn how Node.js can be used for hosting full-stack applications, this is an ideal book for you. After reading this book, you'll be able to write better JavaScript code and learn about the latest trends in the language. To easily grasp the concepts explained here, you should know the basic syntax of JavaScript and should've worked with popular frontend libraries such as jQuery. You should have also used JavaScript with HTML and CSS but not necessarily Node.js. Learn how to build a full-stack application with Backbone.js by taking advantage of JavaScript modules, workflow automation, and Backbone's interface building blocks. With this practical guide, author Patrick Mulder takes experienced backend developers and JavaScript programmers through the steps necessary to create a fully functional single-page application. Backbone's rich ecosystem of plugins makes applications easier to design and scale, but knowing which tools to use for your project can be tricky. How do you combine views and the data layer with Backbone, or serve and deploy JavaScript assets? You'll not only learn the answers to these and many other questions; you'll also discover Backbone's vast number of use cases. Get started quickly by using a Backbone.js and Browserify

- Track state and organize data with Backbone models and collections
- Capture events from users by using views and manipulating the DOM
- Combine Backbone views with advanced HTML templates
- Use Backbone to browse remote data sources from an API
- Authenticate and authorize client-side interactions
- Build a backend API with Node.js and Restify
- Set up workflow automation with Bower, Grunt, Yeoman, and RequireJS

This is a hands-on book which introduces you to agile JavaScript web and mobile software development using the latest cutting-edge front-end and back-end technologies including: Node.js, MongoDB, Backbone.js, Parse.com, Heroku and Windows Azure. Practical examples include building multiple versions of the Chat app:

- jQuery + Parse.com JS REST API
- Backbone and Parse.com JS SDK
- Backbone and Node.js
- Backbone and Node.js + MongoDB

The Chat application has all the foundation of a typical web/mobile application: fetching data, displaying it, submitting new data. Other examples in the book are as follows:

- jQuery + Twitter RESP API "Tweet Analyzer"
- Parse.com "Save John"
- MongoDB "Print Collections"
- Backbone.js "Apple Database"
- Monk + Express.js "REST API Server"

This book will save you many hours by providing a hand-picked and tested collection of quick start guides. RPJS has practical examples that allow to spend less time learning and more time building your own applications. Prototype fast and ship code that matters!

What You will Learn:

You should expect a basic understanding from a collection of quick start guides, tutorials and suggestions for the development apps discussed in this book. In addition to coding examples, the book covers virtually all setup and deployment step-by-step. You'll learn from the examples of Chat web/mobile applications starting with front-end components and by the end we'll put front-end and back-end together and deploy to the production environment.

Who This Book is For:

The typical programmer who wants to learn more about effective JavaScript coding. An in-depth guide to exploring the design, architecture, and techniques behind building sophisticated, scalable, and maintainable single-page applications in JavaScript

About This Book

Build large-scale, feature-complete SPAs by leveraging widely used tools and techniques. Gain a solid understanding of architecture and SPA design to build applications using the library or framework of your choice. Explore the various facets of SPA development to build web

apps that are fast, scalable, and easy to test. Who This Book Is For This book is ideal for JavaScript developers who want to build complex single-page applications in JavaScript. Some basic understanding of SPA concepts will be helpful but not essential. What You Will Learn Organize your development environment using the command line with NPM, Bower, and Grunt. Choose an accurate design pattern for your app Understand modular JavaScript programming and Node.js Interact with a REST API using JavaScript and AJAX with practical examples Build a single page application using the MEAN stack Connect your app across popular social media platforms such as Facebook, Twitter, and LinkedIn Test your app, both on the server side and in views Prepare your app for the real world and deploy it to Heroku In Detail Single-page web applications—or SPAs, as they are commonly referred to—are quickly becoming the de facto standard for web app development. The fact that a major part of the app runs inside a single web page makes it very interesting and appealing. Also, the accelerated growth of browser capabilities is pushing us closer to the day when all apps will run entirely in the browser. This book will take your JavaScript development skills to the next level by teaching you to create a single-page application within a full-stack JavaScript environment. Using only JavaScript, you can go from being a front-end developer to a full-stack application developer with relative ease. You will learn to cross the boundary from front-end development to server-side development through the use of JavaScript on both ends. Use your existing knowledge of JavaScript by learning to manage a JSON document data store with MongoDB, writing a JavaScript powered REST API with Node.js and Express, and designing a front-end powered by AngularJS. This book will teach you to leverage the MEAN stack to do everything from document database design, routing REST web API requests, data-binding within views, and adding authentication and security to building a full-fledged, complex, single-page web application. In addition to building a full-stack JavaScript app, you will learn to test it with JavaScript-powered testing tools such as Mocha, Karma, and Jasmine. Finally, you will learn about deployment and scaling so that you can launch your own apps into the real world. Style and approach Following a structured approach, this book helps readers gain expertise in SPA development. Its thorough coverage of SPA architecture and design, along with practical use cases, provides readers with a clear path to building applications with the library of their choice. For readers who are afraid to take the plunge straightaway, the book also offers step-by-step guidance on developing a complex web app. This book contains an all-encompassing presentation of theory, reference and implementation for building three tier architectures - Data Layer, Service Layer and Presentation Layer . Learn how to architect, develop, test, secure, deploy and manage a RESTful Web Service. In-depth coverage of NPM modules like express, async, joi, helmet, jwt-simple, supertest, mongodb and more. Utilize Mocha, Fiddler and Selenium. Write free, open-source, cross-platform, dynamic JavaScript applications that can run anywhere using the MEAN stack - MongoDB, ExpressJS, AngularJS, and Node.js. With this book Mac developers will get the tools needed to set up, write code once, and be able to deploy code on any device. You will be able to cut development time by using one stack to serve all your development needs. Pro MEAN Stack Development enables you to quickly learn everything needed to work effectively with MEAN, from setting up your toolstack to rolling out your free servers, and deploying on any device. You will also learn to build scripts with Grunt and Gulp, Webpack, and Vagrant and how to deploy to the web and mobile using Phonegap. Harness JavaScript to create dynamic and easily-maintainable applications fast and 100% free. Master the MEAN stack with this book today. What You Will Learn Utilize JavaScript for the entire development cycle from front end to back end, database and deployment. Learn to write responsive code that can be deployed on any device. Become a well-rounded developer and be able to understand the entire development cycle. Learn to utilize free open source and cloud services to deploy production-grade code. Who This Book Is For Front or back end Mac developers familiar with JavaScript and interested in utilizing the MEAN stack to deploy successful apps on all devices. "Leveraging the JavaScript stack"--Cover. Learn how to create mobile and full-stack web applications in JavaScript by getting a deeper insight into MeteorAbout This Book- This step-by-step tutorial will

show you how to build fast, complex web applications- Over 65 hands-on recipes help you build and deploy elegant web applications- Optimize your web application for production use

Who This Book Is For
If you are a web developer who is familiar with Meteor and has basic knowledge of web development, and you now want to explore new paradigms of single-page, real-time applications, this course is perfectly suited for you.

What You Will Learn
- Secure your site with Meteor best practices- Create reactive templates that update themselves when data changes- Add routing to a single-page application and make it appear like a real website- Make your own Meteor packages and see how to make them public- Rapidly build robust, responsive user interfaces- Publish your own reusable custom packages- Optimize your site for load speed with advanced publishers and subscribers- Master the intricacies of front-end development using Jeet, Bootstrap, CSS animations, and more- Leverage the aggregation framework to produce results with big data- Optimize your site for search engine visibility

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

This Learning Path combines some of the best that Packt has to offer in one complete, curated package. It includes content from the following Packt products:- Building Single-page Web Apps with Meteor, Fabian Vogelsteller- Meteor Cookbook, Isaac Strack- Meteor Design Patterns, Marcelo Reyna

Style and approach
This practical handbook has a step-by-step approach to help you improve your developer skills and efficiently built web applications using Meteor. Explore what React, Node, Python, Django, TypeScript, Webpack, and Docker have to offer individually, and how they all fit together in modern app development. This updated version will show you how to build apps with React, Node.js or Django, and TypeScript, and how Webpack can be used to optimize and organize your code for deployment. You'll begin by building a solid foundation of knowledge and quickly expand it by constructing three different real-world apps. These aren't just simple, contrived examples but real apps that you can choose to install on your servers and use for real. You'll also understand how Docker can be used to run the apps you build in a clear and well-defined way, all of which will be able to springboard you into creating more advanced apps on your own. You'll see why React is one of the most popular web development tools available today, and why Node.js is also frequently used for server-side development. The fact that both utilize JavaScript is a big selling point, but there are shortcomings. Modern Full-Stack Development highlights how adding Django, Webpack, and Docker to the mix resolves any issues by creating a potent full development stack on which to build applications – two possible stacks, really!!

What You'll Learn: Review the basics of TypeScript and writing both React and Node apps with it Construct a project with NPM and Webpack, configuration and usage Utilize client-side and server-side development Employ REST APIs and database usage across two tech stacks, Node and Python/Django Deploy apps using Docker

Who This Book Is For: Web developers and software architects. "Learn all of the different aspects of full stack JavaScript development using the MEAN stack. In this primer course we will be introducing each section of the

stack and in 16 videos we show you how to build an application using the latest and greatest technologies out there at the moment. Throughout this course we'll show you how to use each of these technologies, and how to use them together. Build great JavaScript applications using MongoDB, Express, Angular2+, TypeScript and Node.js. The overall aim of the course is to enable you to confidently build all different types of application using the MEAN stack." --Resource description page.

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 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. Delve into the world of web development with Vue.js, Node.js, and MongoDB by exploring essential JavaScript concepts on the client side and the server side

Key Features

- Get up and running with JavaScript, the most popular web development language in the world
- Cut through the complexity and focus on the simple aspects of web development
- Build a simple web application using Vue.js, Node.js, and MongoDB

Book Description JavaScript, the most widely used programming language in the world, has numerous libraries and modules and a dizzying array of need-to-know topics. Picking a starting point can be difficult. Enter JavaScript from Frontend to Backend. This concise, practical guide will get you up to speed in next to no time. This book begins with the basics of variables and objects in JavaScript and then moves quickly on to building components on the client-side with Vue.js and a simple list management application. After that, the focus shifts to the server-side and Node.js, where you'll examine the MVC model and explore the Express module. Once you've got to grips with the server-side and the client-side, the only thing that remains is the database. You'll discover MongoDB and the Mongoose module. In the final chapter of this fast-paced guide, you'll combine all these pieces to integrate a Vue.js application into a Node.js server, using Express to structure the server code and MongoDB to store the information. By the end of this book, you will have the skills and confidence to successfully implement JavaScript concepts in your own projects and begin your career as a JavaScript developer. What you will learn

- Trigger deferred processing with JavaScript
- Implement Express and MongoDB with Node.js
- Build components with Vue.js
- Understand how to create and use modules with Node.js
- Familiarize yourself with npm
- Build a client-side application entirely with JavaScript

Dive into full stack development with Vue.js, Node.js, and MongoDB Who this book is for This book is for JavaScript developers looking to strengthen their core JavaScript concepts and implement them in building full stack apps. Prior knowledge of HTML and CSS is a must. A comprehensive guide to building full stack applications covering frontend and server-side programming, data management, and web security

Key Features Unleash the power of React Hooks to build interactive and complex user interfaces Build scalable full stack applications designed to meet demands of modern users Understand how the Axios library simplifies CRUD operations

Book Description React Hooks have changed the way React components are coded. They enable you to write components in a more intuitive way without using classes, which makes your code easier to read and maintain. Building on from the previous edition, this book is updated with React Hooks and the latest changes introduced in create-react-app and Spring Boot 2.1. This book starts with a brief introduction to Spring Boot. You'll understand how to use dependency injection and work with the data access layer of Spring using

Hibernate as the ORM tool. You'll then learn how to build your own RESTful API endpoints for web applications. As you advance, the book introduces you to other Spring components, such as Spring Security to help you secure the backend. Moving on, you'll explore React and its app development environment and components for building your frontend. Finally, you'll create a Docker container for your application by implementing the best practices that underpin professional full stack web development. By the end of this book, you'll be equipped with all the knowledge you need to build modern full stack applications with Spring Boot for the backend and React for the frontend. What you will learn

Create a RESTful web service with Spring Boot
Grasp the fundamentals of dependency injection and how to use it for backend development
Discover techniques for securing the backend using Spring Security
Understand how to use React for frontend programming
Benefit from the Heroku cloud server by deploying your application to it
Delve into the techniques for creating unit tests using JUnit
Explore the Material UI component library to make more user-friendly user interfaces

Who this book is for
If you are a Java developer familiar with Spring, but are new to building full stack applications, this is the book for you. 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 apps
Review 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 environment

Who This Book Is For
Programmers who want to learn more about effective JavaScript coding
Discover the secrets to creating cutting-edge, compelling full stack applications using Spring Boot and React's rich and varied toolsets

Key Features
Utilize Spring Boot to make powerful, complex, and secure backends for your applications
Leverage React's full arsenal of tools for building slick, high-performance frontends
Build modern, scalable full stack applications that comfortably meet the demands of your users

Book Description
Getting started with full stack development can be daunting. Even developers who are familiar with the best tools, such as Spring Boot and React, can struggle to nail the basics, let alone master the more advanced elements. If you're one of these developers, this comprehensive guide covers everything you need! This updated edition of the Full Stack Development with Spring Boot 2 and React book will take you from novice to proficient in this expansive domain. Taking a practical approach, this book will first walk you through the latest Spring Boot features for creating a robust backend, covering everything from setting up the environment and dependency injection to security and testing. Once this has been covered, you'll advance to React frontend programming. If you've ever wondered about custom Hooks, third-party components, and MUI, this book will demystify all that and much more. You'll explore everything that goes into developing, testing, securing, and deploying your applications using all the latest tools from Spring Boot, React, and other cutting-edge technologies. By the end of this book, you'll not only have learned the theory of building modern full stack applications but also have developed valuable skills that add value in any setting. What you will learn

Make fast and RESTful web services powered by Spring Data REST
Create and manage databases using ORM, JPA, Hibernate, and more
Explore the use of unit tests and JWTs with Spring Security
Employ React Hooks, props, states, and more to create your frontend
Discover a wide array of advanced React and third-party components
Build high-performance applications complete with CRUD functionality
Harness MUI to customize your frontend
Test, secure, and deploy your applications with high efficiency

Who this book is for
This book

is for Java developers who are familiar with Spring Boot but don't know where to start when it comes to building full stack applications. You'll also find this book useful if you're a frontend developer with knowledge of JavaScript basics looking to learn full stack development or a full stack developer experienced in other technology stacks looking to learn a new one. By the end of this intro to MEAN stack development, you'll know MongoDB, Express, AngularJS, and Node.js well enough to create your own production-grade, full-stack JavaScript web app. Build robust full-stack web applications using two of the world's most popular programming languages Python and JavaScript

Key Features

- Discover similarities and differences between JavaScript and Python coding conventions
- Explore frontend web concepts, UI/UX techniques, and JavaScript frameworks to enhance your web development skills
- Put your JS knowledge into practice by developing a full-stack web app with React and Express

Book Description

Knowledge of Python is a great foundation for learning other languages. This book will help you advance in your software engineering career by leveraging your Python programming skills to learn JavaScript and apply its unique features not only for frontend web development but also for streamlining work on the backend. Starting with the basics of JavaScript, you'll cover its syntax, its use in the browser, and its frameworks and libraries. From working with user interactions and ingesting data from APIs through to creating APIs with Node.js, this book will help you get up and running with JavaScript using hands-on exercises, code snippets, and detailed descriptions of JavaScript implementation and benefits. To understand the use of JavaScript in the backend, you'll explore Node.js and discover how it communicates with databases. As you advance, you'll get to grips with creating your own RESTful APIs and connecting the frontend and backend for holistic full-stack development knowledge. By the end of this Python JavaScript book, you'll have the knowledge you need to write full-fledged web applications from start to finish. You'll have also gained hands-on experience of working through several projects, which will help you advance in your career as a JavaScript developer. What you will learn

- Discover the differences between Python and JavaScript at both the syntactical and semantical level
- Become well versed in implementing JavaScript in the frontend as well as the backend
- Understand the separation of concerns while using Python
- programming for server-side development
- Get to grips with frontend web development tasks, including UI/UX design, form validation, animations, and much more
- Create modern interaction interfaces for your Python web application
- Explore modern web technologies and libraries for building full-stack applications

Who this book is for

This book is for experienced Python programmers who are looking to expand their knowledge of frontend and backend web development with JavaScript. An understanding of data types, functions, and scope is necessary to get to grips with the concepts covered in the book. Familiarity with HTML and CSS, Document Object Model (DOM), and Flask or Django will help you to learn JavaScript easily. This book is packed with exercises which build up into a full project: you develop a small e-commerce application. You'll allow users to browse for products, add them to their basket, and you'll also create a full back-end where the site administrators will be able to list, create, modify, and delete products. Read this book, and you can code your Meteor application within a week.. I know from experience teaching what takes more time to learn in Meteor, and will spend time only where appropriate. Isomorphic JavaScript has been a buzzword lately, allowing developers to utilize a single language throughout their web development stack and build cost-effective and scalable applications. This book is on one such modern web development stack which comprises of web technologies like MongoDB, Express.js, Aurelia.js, and Node. Understand the technical foundations, as well as the non-programming skills needed to be a successful full stack web developer. This book reveals the reasons why a truly successful full stack developer does more than write code. You will learn the principles of the topics needed to help a developer new to agile or full stack working—UX, project management, QA, product management, and more— all from the point of view of a developer. Covering these skills alongside the fundamentals and foundations of modern web development, rather than specifics of current technologies and frameworks (which can age quickly), all programming examples are given in the context of the web as it is in 2018. Although you need to feel comfortable

working on code at the system, database, API, middleware or user interface level, depending on the task in hand, you also need to be able to deal with the big picture and the little details. The Full Stack Developer recognizes skills beyond the technical, and gives foundational knowledge of the wide set of skills needed in a modern software development team. What You'll Learn Plan your work including Agile vs Waterfall, tools, scrum, kanban and continuous delivery Translate UX into code: grids, component libraries and style guides Design systems and system architectures (microservices to monoliths) Review patterns for APIs (SOAP, AJAX, REST), defining API domains, patterns for REST APIs and more API goodness Study the various front-end design patterns you need to know Store data, what to consider for security, deployment, in production and more Who This Book Is For New graduates or junior developers who are transitioning to working as part of a larger team structure in a multi-disciplinary teams and developers previously focused on only front-end or back-end dev transitioning into full stack. Develop your real-time MEAN application efficiently using a combination of MongoDB, Express, Angular 2, and Node 5.0 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! Learn by doing! Learn full-stack JavaScript development by building a web application with MongoDB, Node.js, and React.js, in this hands-on JavaScript programming course.

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