Web Development with MongoDB and Node.js

By Jason Krol

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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
- Explore the power of development using JavaScript in the full stack of a web application
- 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 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

- Set up a development environment and install 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
- Create and consume RESTful APIs
- Test your code using automated testing tools
- Deploy 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 the most popular technologies in the world of full stack JavaScript development. Powered by Google's V8 JavaScript runtime, 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.

This book will enable you to leverage the key features of both MongoDB and Node.js in web and mobile app development. Starting with setting up your development environment, it will guide you through how to write your first Node.js web server application from scratch. Along the way, you will learn about best practices and common mistakes while mastering the core concepts of web development.

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Editorial Review

About the Author

Jason Krol

Jason Krol is a passionate web developer with over 15 years of professional experience in creating highly interactive web applications using the latest in both client and server technologies. Previously, Jason spent a majority of his career working with the Microsoft stack using ASP.net. Recently, he has been focusing on developing Single Page Applications using JavaScript in the full stack with Node.js, MongoDB, and Backbone.js. After co-owning and running a successful web development agency for a number of years, Jason recently jumped back into the world of full time employment. When not writing code for work or side projects, he blogs about his development experiences and opinions at www.KrolTech.comand on Twitter at @ShortTompkins. He loves spending his free time with his wife and 8-year-old son.

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