Building Scalable Apps with Redis and Node.js

By Joshua Johanan

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Develop customized, scalable web apps through the integration of powerful Node.js frameworks

About This Book

- Design a simple application and turn it into the next Instagram
- Integrate utilities such as Redis, Socket.io, and Backbone to create Node.js web applications
- Learn to develop a complete web application right from the frontend to the backend in a streamlined manner

Who This Book Is For

If the phrase scalability sounds alien to you, then this is an ideal book for you. You will not need much Node.js experience as each framework is demonstrated in a way that requires no previous knowledge of the framework. You will be building scalable Node.js applications in no time! Knowledge of JavaScript is required.

What You Will Learn

- Build and implement your custom middleware for Express
- Integrate Socket.IO with Express and use the same authentication
- Create a secure local store for passwords
- Use message queues to break down your application into manageable pieces
- Leverage the power of Redis to create a shared state across many different servers
- Implement Backbone, Socket.IO, and React together for a fast, dynamic, and real-time frontend
- Automate your build process with the use of the Grunt.js task runner
- Build deployment scripts to get servers running your application in the cloud

In Detail

Node.js is a JavaScript runtime-based, scalable platform used to develop web applications and network programs on the server side. It allows web designers to access the backend of their projects while also allowing developers, who are willing to learn JavaScript, a chance to design. There are many frameworks that have popped up in recent years, but what makes Node.js unique is that it opens up a whole new frontier for web development and takes a hybrid approach.

This book will help you get to grips with Node.js and implement the knowledge to build efficient web applications. You start with developing a backend web application followed by a frontend interface, and later on deploy it to the cloud platform. This book takes a holistic approach to server-side programming using Node.js in conjunction with different frameworks and tools.

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Editorial Review

About the Author

Joshua Johanan

Joshua Johanan is a web developer who currently lives in South Bend, Indiana. He has been a web developer for 5 years. He has built sites using many different languages, including PHP, Python, JavaScript, and C#, although if asked, he would prefer using Python and JavaScript. These languages have led him to use different MVC frameworks such as Zend Framework, Django, and .NET's MVC. As you can tell from this book, he has used JavaScript on both the backend with Node.js and the frontend using many different libraries. These include Backbone, React, jQuery, and plain old JavaScript. He currently works for a health care organization, writing websites in C#. This does not allow him to utilize the latest flashy browser technologies, but it does enforce good development skills such as maintainability and scalability. This is his first book, but he posts regularly on his blog at http://ejosh.co/de.

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