

# Node Js In Action Dreamtech Press

Eventually, you will no question discover a extra experience and exploit by spending more cash. still when? accomplish you assume that you require to acquire those all needs subsequent to having significantly cash? Why dont you try to acquire something basic in the beginning? Thats something that will lead you to understand even more approximately the globe, experience, some places, later history, amusement, and a lot more?

It is your categorically own time to play-act reviewing habit. in the middle of guides you could enjoy now is **Node Js In Action Dreamtech Press** below.

[Node.js Design Patterns](#) - Mario Casciaro 2014-12-30

If you're a JavaScript developer interested in a deeper understanding of how to create and design Node.js applications, this is the book for you.

*Developing Node.js Applications on IBM Cloud* - Ahmed Azraq 2017-12-12

This IBM® Redbooks®

publication explains how to create various applications based on Node.js, and deploy and run them on IBM Cloud. This book includes the following exercises: Develop a Hello World application in Node.js on IBM Cloud. Use asynchronous callback to call an external service. Create an Express application. Build a rich front-end application by

using React and ES6. During these exercises, you will perform these tasks: Create an IBM SDK for Node.js application. Write your first Node.js application. Deploy an IBM SDK for Node.js application on an IBM Cloud account. Create a Node.js module and use it in your code. Understand asynchronous callbacks and know how to use it to call an external service. Understand IBM Watson™ Language Translator service. Create a Hello World Express application. Create a simple HTML view for your application. Understand Express routing. Use third-party modules in Node.js. Understand IBM Watson® Natural Language Understanding service. Use a Git repository on IBM Cloud DevOps services. Understand Delivery Pipeline. Understand how to clone an IBM Cloud application. Use React to create interactive web pages. Understand the following concepts of ES6: Classes, arrow

functions, and promises. This book is for beginner and experienced developers who want to start coding Node.js applications on IBM Cloud.

**NS Guidebookcode.J** - Dhruti Shah  
2019-09-18

Develop attractive and efficient dynamic web applications using Node.js

**DESCRIPTION** The Node.js Guidebook is written and designed keeping in mind readers of varies technical and academic inclinations. Every concept has been explained in detail with appropriate examples and demonstrations with images as applicable. Topics have been aligned from simple to complex for the benefit of a beginner in understanding the technology. The logic of all codes in the examples have been explained appropriately. Concepts have been described in a simple language for easy understanding along with real-world applications of the same. Node.js Guidebook aims to introduce

readers to the world of Node.js. Node.js is an open source JavaScript run-time environment that executes JavaScript on server-side. Earlier, JavaScript was used only for client-side scripting, but Node.js supports the creation of dynamic Web applications by using JavaScript for server-side scripting. Node.js has taken the world by a storm by simplifying Web application development thorough the use of readily available and pluggable modules, thus, reducing the overall development time. Whether you are a beginner or an experienced developer, you can learn to design and develop attractive and efficient Web applications using Node.js.

### KEY FEATURES

Assumes a practical approach of learning. Ample of examples are given along with assignments. Book covers a wide range of topics in Node.js, emphasising on real-world. Simple language is used with clear presentation of

topics including Node.js modules, npm, event handling.

## WHAT WILL YOU LEARN

This book will help developers to easily develop attractive and efficient dynamic web applications using Node.js. It will be a great source of reference for developers for migrating applications to open source technologies such as HTML5, Node.js, and MySQL.

## WHO THIS BOOK IS FOR

This book will prove to be a "must have" for beginners as well as experienced professionals as it is a stepping stone for learning new technology.

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1. Introduction to Node.js
2. Modules in Node.js
3. File system module
4. NPM in node.js
5. Event handling in Node.js
6. Node.js with MySQL
7. Express and Node.js

**Node: Up and Running** - Tom Hughes-Croucher 2012-04-23

This book introduces you to Node, the new web development framework written

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in JavaScript. You'll learn hands-on how Node makes life easier for experienced JavaScript developers: not only can you work on the front end and back end in the same language, you'll also have more flexibility in choosing how to divide application logic between client and server. Written by a core contributor to the framework, *Node: Up and Running* shows you how Node scales up to support large numbers of simultaneous connections across multiple servers, and scales down to let you create quick one-off applications with minimal infrastructure. Built on the V8 JavaScript engine that runs Google Chrome, Node is already winning the hearts and minds of many companies, including Google and Yahoo! This book shows you why. Understand Node's event-loop architecture, non-blocking I/O, and event-driven programming. Discover how Node supports a variety of

database and data storage tools  
Learn best practices for writing easy-to-maintain code for Node  
Get concrete examples of how to use the various Node APIs in practice  
Take advantage of the book's complete API reference  
*Web Development with Node and Express* - Ethan Brown  
2019-11-13

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

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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

### **Node.js Recipes** - Cory

Gackenheimer 2013-10-21

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  
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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

*Get Programming with Node.js - Jonathan Wexler 2019-02-28*

"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

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code!" --

*Node.js in Action* - Alex R.

Young 2017-09-17

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

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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 **The Node Beginner Book** - Manuel Kiessling 2012 Ryan Dahl, creator of Node.js: "This is an amazing introduction to Node.js". The aim of The Node Beginner Book is to get you started with developing applications for Node.js, teaching

you everything you need to know about advanced JavaScript along the way.

*Scaling Your Node.js Apps* - Fernando Doglio 2018-12-15 Take your Node.js application into production-ready status, capable of scaling up to whatever your needs might be. You'll discover that architecting for successful, popular sites is an essential tool of any professional Node.js developer, and learning to scale your own applications is a great place to start. Using this book you will learn when to scale, what factors should trigger scaling, and what architectural techniques are best suited for scaling. You will also explore common pitfalls that arise when scaling a Node.js application and solutions to correct them.

Including analyses of success cases at the largest-scale companies, such as Netflix and Paypal, this book will get you started with scaling in no time at all. What You'll Learn Determine what



factors should trigger the need to scale Discover different architectural patterns that lend themselves to scaling Resolve problems that arise when scaling up a Node.js application Monitor a platform in order to understand when to start scaling Who This Book Is For The main audience for this book are Node.js developers with a mid-level understanding of the technology. Novice Node users will also benefit from the coverage of generic scaling-related topics.

Learning Node - Shelley Powers  
2016-05-24

Take your web development skills from browser to server with Node—and learn how to write fast, highly scalable network applications on this JavaScript-based platform. Updated for the latest Node Long Term Support (LTS) and Node Current (6.0) releases, this hands-on edition helps you master Node's core fundamentals and gain experience with several

built-in and contributed modules. Get up to speed on Node's event-driven, asynchronous I/O model for developing data-intensive applications that are frequently accessed but computationally simple. If you're comfortable working with JavaScript, this book provides many programming and deployment examples to help you take advantage of server-side development with Node. Explore the frameworks and functionality for full-stack Node development Dive into Node's module system and package management support Test your application or module code on the fly with Node's REPL console Use core Node modules to build web applications and an HTTP server Learn Node's support for networks, security, and sockets Access operating system functionality with child processes Learn tools and techniques for Node development and production Use Node in

microcontrollers,  
microcomputers, and the Internet  
of Things

Javascript - Andy Vickler

2021-03-08

Take a deep dive into Node.js to learn more about this complex web-development application. Do you want to learn how to build scalable web applications? If you said yes, then this is the book you have been searching for! Node.js is the number one choice for server-side web development, as it allows you to build both client and server-side software using the same paradigms and tools.

This book will take you through the important concepts involved in using Node.js to build your server-side applications. Each chapter is self-contained with its own practical but simple examples to show you how it works. By the end of this book, you will have all the knowledge you need to put together your own web application. In this book, you will: Learn how to set

up your Node.js environment.

Explore everything about the REPL Terminal. Read about the Node.js package manager.

Discover Node.js callbacks and asynchronous JS. Find out about Node.js events, buffers, streams, and the file system. Investigate Node.js global objects and the global object - they are different.

Learn about Node.js modules, utility modules, the web module, and more. Find out about the Express framework. Learn

RESTful API. Discover how to scale applications. Find out how to package applications. And so

much more! Node.js one part of your toolkit in building server

and client-side applications. Click

on the Buy Now button to get your copy of this book and dive into Node.js and back-end

JavaScript development today!

**Practical Node.js** - Azat Mardan

2018-08-17

Learn how to build a wide range of scalable real-world web applications using a professional

development toolkit. If you already know the basics of Node.js, now is the time to discover how to bring it to production level by leveraging its vast ecosystem of packages. With this book, you'll work with a varied collection of standards and frameworks and see how all those pieces fit together. Practical Node.js takes you from installing all the necessary modules to writing full-stack web applications. You'll harness the power of the Express.js and Hapi frameworks, the MongoDB database with Mongoose and Mongoose. You'll also work with Pug and Handlebars template engines, Stylus and LESS CSS languages, OAuth and Everyauth libraries, and the Socket.IO and Derby libraries, and everything in between. This exciting second edition is fully updated for ES6/ES2015 and also covers how to deploy to Heroku and AWS, daemonize apps, and write REST

APIs. You'll build full-stack real-world Node.js apps from scratch, and also discover how to write your own Node.js modules and publish them on NPM. You already know what Node.js is; now learn what you can do with it and how far you can take it! What You'll Learn Manipulate data from the mongo console Use the Mongoose and Mongoose MongoDB libraries Build REST API servers with Express and Hapi Deploy apps to Heroku and AWS Test services with Mocha, Expect and TravisCI Utilize sessions for authentication Implement a third-party OAuth strategy with Everyauth Apply Redis, domains, WebSockets, and clusters Write your own Node.js module, and publish it on NPM Who This Book Is For Web developers who have some familiarity with the basics of Node.js and want to learn how to use it to build apps in a professional environment.

*Mastering Node.js* - Sandro

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Pasquali 2017-12-29

Expert techniques for building fast servers and scalable, real-time network applications with minimal effort; rewritten for Node.js 8 and Node.js 9

**Key Features** Packed with practical examples and explanations, *Mastering Node.js* contains everything you need to take your applications to the next level. Unleash the full potential of Node.js 9 to build real-time and scalable applications. Gain in-depth knowledge of asynchronous programming, event loops, and parallel data processing. Explore Node's innovative event-non-blocking design, and build professional applications with the help of detailed examples.

**Book Description** Node.js, a modern development environment that enables developers to write server- and client-side code with JavaScript, thus becoming a popular choice among developers. This book covers the features of

Node that are especially helpful to developers creating highly concurrent real-time applications. It takes you on a tour of Node's innovative event non-blocking design, showing you how to build professional applications. This edition has been updated to cover the latest features of Node 9 and ES6. All code examples and demo applications have been completely rewritten using the latest techniques, introducing Promises, functional programming, `async/await`, and other cutting-edge patterns for writing JavaScript code. Learn how to use microservices to simplify the design and composition of distributed systems. From building serverless cloud functions to native C++ plugins, from chatbots to massively scalable SMS-driven applications, you'll be prepared for building the next generation of distributed software. By the end of this book, you'll be building better Node applications

more quickly, with less code and more power, and know how to run them at scale in production environments. What you will learn Build an Electron desktop app using Node that manages a filesystem Explore Streams and understand how they apply to building networked services Develop and deploy an SMS-driven customer service application Use WebSockets for rapid bi-directional communication Construct serverless applications with Amazon Lambda Test and debug with headless browsers, CPU profiling, Mocha, Sinon, and more Scale applications vertically and horizontally across multiple cores and web services Who this book is for This book is targeted at JavaScript developers who want to take an in-depth look at the latest Node.js framework to create faster, scalable, real-time backend applications. Basic JavaScript programming knowledge--and also some

previous Node.js development experience--are mandatory to get the best out of this book

*Node.js Web Development - David Herron 2018-05-30*

Node.js is a server-side JavaScript platform using an event-driven, non-blocking I/O model allowing users to build fast and scalable data-intensive applications running in real time. JavaScript is no longer just for browsers and this exciting introduction to Node.js will show you how to build data-intensive applications that run in real time. ...

Mastering Node.js - Sandro Pasquali 2017-12-29

Node.js with its strong features and ability to write server as well as client side code with JavaScript has become a popular choice amongst developers for building powerful web applications. This book is a deep dive into showing facets of Node which are helpful for creating highly concurrent and scalable real time applications.

## **React in Action** - Mark Tielens

Thomas 2018-07-08

Summary **React in Action** introduces front-end developers to the React framework and related tools. This clearly written, example-rich book begins by introducing you to React, diving into some of the fundamental ideas in React, and working with components. In the second section, you'll explore the different ways that data works in React as well as learning more about components. You'll also find several useful appendixes covering related topics like React tooling and the React ecosystem. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology Facebook created React to help deliver amazing user experiences on a website with thousands of components and an incomprehensible amount of traffic. The same powerful

tools are available to you too! The key is a clever design for managing state, data flow, and rendering, so your application is easy to think about and runs smoothly. Add an incredibly rich ecosystem of components and libraries, and you've got a recipe for building web apps that will delight both developers and users. About the Book **React in Action** teaches you to think like a pro about user interfaces and building them with React. This practical book gets you up and running quickly with hands-on examples in every chapter. You'll master core topics like rendering, lifecycle methods, JSX, data flow, forms, routing, integrating with third-party libraries, and testing. And the included application design ideas will help make your apps pop. As you learn to integrate React into full-stack applications, you'll explore state management with Redux and server-side rendering, and even dabble in

React Native for mobile UIs.  
What's Inside React from the ground up  
Implementing a routing system with components  
Server-side rendering in Node.js  
Working with third-party libraries  
Testing React components  
About the Reader  
Written for developers familiar with HTML, CSS, and JavaScript.  
About the Author  
Mark Thomas is an experienced software engineer who works daily with React, JavaScript, and Node.js. He loves clean code, beautiful systems, and good coffee.

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React on the server and integrating React Router  
An introduction to React Native  
**Advanced Node.js Development** - Andrew Mead 2018-03-30  
Takes you through creating your own API, building a full real-time web app, securing your Node systems, and practical applications of the latest Async and Await technologies. It maps out everything in a comprehensive, easy-to-follow package designed to get you up and running quickly. Key Features  
Entirely project-based and practical  
Explains the "why" of Node.js features, not just the "how", providing with a deep understanding and enabling you to easily apply concepts in your own applications  
Covers the full range of technologies around Node.js – npm, MongoDB, version control with Git, and many more  
Book Description

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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.

Node Cookbook - Bethany Griggs  
2020-11-25

Discover practical recipes to get to grips with Node.js concepts and programming models for delivering a scalable server-side for your applications

**Key Features**

- Implement practical solutions for scaling, securing, and testing your Node.js web apps effectively
- Build and deploy scalable microservices architecture with the power of Node.js
- Discover techniques for debugging and testing Node.js applications

**Book Description**

A key technology for building web applications and tooling, Node.js brings JavaScript to the server enabling full-stack development in a common language. This

fourth edition of the Node Cookbook is updated with the latest Node.js features and the evolution of the Node.js framework ecosystems. This practical guide will help you to get started with creating, debugging, and deploying your Node.js applications and cover solutions to common problems, along with tips to avoid pitfalls. You'll become familiar with the Node.js development model by learning how to handle files and build simple web applications and then explore established and emerging Node.js web frameworks such as Express.js and Fastify. As you advance, you'll discover techniques for detecting problems in your applications, handling security concerns, and deploying your applications to the cloud. This recipe-based guide will help you to easily navigate through various core topics of server-side web application development with Node.js. By the end of this

Node book, you'll be well-versed with core Node.js concepts and have gained the knowledge to start building performant and scalable Node.js applications. What you will learn Understand the Node.js asynchronous programming model Create simple Node.js applications using modules and web frameworks Develop simple web applications using web frameworks such as Fastify and Express Discover tips for testing, optimizing, and securing your web applications Create and deploy Node.js microservices Debug and diagnose issues in your Node.js applications Who this book is for The book is for web developers who have knowledge of JavaScript and want to gain a broad understanding of Node.js concepts for server-side development.

*Express in Action* - Evan Hahn  
2016-04-01

Summary *Express in Action* is a

carefully designed tutorial that teaches you how to build web applications using Node and Express. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology *Express.js* is a web application framework for Node.js. Express organizes your server-side JavaScript into testable, maintainable modules. It provides a powerful set of features to efficiently manage routes, requests, and views along with beautiful boilerplate for your web applications. Express helps you concentrate on what your application does instead of managing time-consuming technical details. About the Book *Express in Action* teaches you how to build web applications using Node and Express. It starts by introducing Node's powerful traits and shows you how they map to the features of Express. You'll explore key development techniques, meet the rich

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ecosystem of companion tools and libraries, and get a glimpse into its inner workings. By the end of the book, you'll be able to use Express to build a Node app and know how to test it, hook it up to a database, and automate the dev process. What's Inside Simplify Node app setup with Express Testing Express applications Use Express for easy access to Node features Data storage with MongoDB Covers Express 4 and Express 5 alpha About the Reader To get the most out of this book, you'll need to know the basics of web application design and be proficient with JavaScript. About the Author Evan Hahn is an active member of the Node and Express community and contributes to many open source JavaScript projects. Table of Contents PART 1 INTRO What is Express? The basics of Node.js Foundations of Express PART 2 CORE Middleware Routing Building APIs Views and templates: Pug

and EJS PART 3 EXPRESS IN CONTEXT Persisting your data with MongoDB Testing Express applications Security Deployment: assets and Heroku Best practices *Distributed Systems with Node.js* - Thomas Hunter II 2020-11-04 Many companies, from startups to Fortune 500 companies alike, use Node.js to build performant backend services. And engineers love Node.js for its approachable API and familiar syntax. Backed by the world's largest package repository, Node's enterprise foothold is only expected to grow. In this hands-on guide, author Thomas Hunter II proves that Node.js is just as capable as traditional enterprise platforms for building services that are observable, scalable, and resilient. Intermediate to advanced Node.js developers will find themselves integrating application code with a breadth of tooling from each layer of a modern service stack. Learn why running redundant

copies of the same Node.js service is necessary Know which protocol to choose, depending on the situation Fine-tune your application containers for use in production Track down errors in a distributed setting to determine which service is at fault Simplify app code and increase performance by offloading work to a reverse proxy Build dashboards to monitor service health and throughput Find out why so many different tools are required when operating in an enterprise environment

*Node Cookbook* - David Mark Clements 2017-07-31

Over 60 high-quality recipes covering debugging, security, performance, microservices, web frameworks, databases, deployment and more; rewritten for Node 4, 6, and 8. About This Book Actionable recipes across the full spectrum of Node.js development Cutting edge techniques and tools for measuring and improving

performance Best practices for creating readily-scalable production systems Who This Book Is For If you have good knowledge of JavaScript and want to build fast, efficient, scalable client-server solutions, then this book is for you. Some experience with Node.js is assumed to get the most out of this book. If working from a beginner level Node Cookbook 2nd Edition is recommended as a primer for Node Cookbook 3rd Edition. What You Will Learn Debug Node.js programs Write and publish your own Node.js modules Detailed coverage of Node.js core API's Use web frameworks such as Express, Hapi and Koa for accelerated web application development Apply Node.js streams for low-footprint data processing Fast-track performance knowledge and optimization abilities Persistence strategies, including database integrations with MongoDB, MySQL/MariaDB, Postgres,

Redis, and LevelDB Apply critical, essential security concepts Use Node with best-of-breed deployment technologies: Docker, Kubernetes and AWS In Detail Today's web demands efficient real-time applications and scalability. Asynchronous event-driven programming is ideal for this, and this is where Node.js comes in. Server-side JavaScript has been here since the 90s, but Node got it right. With Node for tooling and server-side logic, and a browser-based client-side UI, everything is JavaScript. This leads to rapid, fluid development cycles. The full-stack, single language experience means less context-switching between languages for developers, architects and whole teams. This book shows you how to build fast, efficient, and scalable client-server solutions using the latest versions of Node. The book begins with debugging tips and tricks of the trade, and how to write your own modules. Then

you'll learn the fundamentals of streams in Node.js, discover I/O control, and how to implement the different web protocols. You'll find recipes for integrating databases such as MongoDB, MySQL/MariaDB, Postgres, Redis, and LevelDB. We also cover the options for building web application with Express, Hapi and Koa. You will then learn about security essentials in Node.js and advanced optimization tools and techniques. By the end of the book you will have acquired the level of expertise to build production-ready and scalable Node.js systems. The techniques and skills you will learn in this book are based on the best practices developed by nearForm, one of the leaders in Node implementations, who supported the work of the authors on this book. Style and approach This recipe-based practical guide presents each topic with step-by-step instructions on how you can

create fast and efficient server side applications using the latest features and capabilities in Node 8 whilst also supporting usage with Node 4 and 6.

*Node.js Web Development -*

David Herron 2016-06-27

Create real-time server-side applications with this practical, step-by-step guide About This Book Learn about server-side JavaScript with Node.js and Node modules through the most up-to-date book on Node.js web development Understand website development both with and without the Connect/Express web application framework Develop both HTTP server and client applications Who This Book Is For This book is for anybody looking for an alternative to the "P" languages (Perl, PHP, and Python), or anyone looking for a new paradigm of server-side application development. You should have at least a rudimentary understanding of

JavaScript and web application development. What You Will Learn Install and use Node.js for both development and deployment Use the Express application framework Configure Bootstrap for mobile-first theming Use data storage engines such as MySQL, SQLITE3, and MongoDB Understand user authentication methods, including OAuth, with third-party services Deploy Node.js to live servers, including microservice development with Docker Perform unit testing with Mocha Perform functional testing of the web application with CasperJS In Detail Node.js is a server-side JavaScript platform using an event driven, non-blocking I/O model allowing users to build fast and scalable data-intensive applications running in real time. Node.js Web Development shows JavaScript is not just for browser-side applications. It can be used for server-side web application

development, real-time applications, microservices, and much more. This book gives you an excellent starting point, bringing you straight to the heart of developing web applications with Node.js. You will progress from a rudimentary knowledge of JavaScript and server-side development to being able to create and maintain your own Node.js application. With this book you'll learn how to use the HTTP Server and Client objects, data storage with both SQL and MongoDB databases, real-time applications with Socket.IO, mobile-first theming with Bootstrap, microservice deployment with Docker, authenticating against third-party services using OAuth, and much more. Style and Approach This book is a practical guide for anyone looking to develop striking and robust web applications using Node.js.

*Server Side development with Node.js and Koa.js Quick Start*

*Guide* - Olayinka Omole  
2018-11-30

Every developer wants to build modular and scalable web applications. Modern versions of the JavaScript language have made this possible in Node.js, and Koa is a Node.js framework that makes it easy. This book is the ideal introduction for JavaScript developers who want to create scalable serverside applications using Node.js and Koa.js.

[Beginning Node.js](#) - Basarat Syed  
2014-12-02

Beginning Node.js is your step-by-step guide to learning all the aspects of creating maintainable Node.js applications. You will see how Node.js is focused on creating high-performing, highly-scalable websites, and how easy it is to get started. Many front-end devs regularly work with HTML, CSS, PHP, even WordPress, but haven't yet got started with Node.js. This book explains everything for you from a beginner level, enabling

you to start using Node.js in your projects right away. Using this book you will learn important Node.js concepts for server-side programming. You will begin with an easy-to-follow pure JavaScript primer, which you can skip if you're confident of your JS skills. You'll then delve into Node.js concepts such as streams and events, and the technology involved in building full-stack Node.js applications. You'll also learn how to test your Node.js code, and deploy your Node.js applications on the internet. Node.js is a great and simple platform to work with. It is lightweight, easy to deploy and manage. You will see how using Node.js can be a fun and rewarding experience - start today with *Beginning Node.js*. *Node.js Complete Reference Guide* - Valentin Bojinov 2018-12-18

*Node.js Complete Reference Guide* is your one-stop solution to building highly scalable, single-

language applications that share code between the server and client

**Key Features** Explore the latest JavaScript features and EcmaScript modules Walk through different stages of developing robust applications using Node.js

**10 Create rich and scalable RESTful API solutions from scratch**

**Book Description** *Node.js Complete Reference Guide* takes you through rudimentary knowledge of JavaScript and server-side development to create, maintain, deploy, and test your own Node.js applications. You will begin by learning how to use the HTTP Server and Client objects, store data with both SQL and MongoDB databases, and unit test applications with Mocha 5.x, and functionally test them with Puppeteer 1.1.x. Then, you will learn to create scalable and rich RESTful applications on the Node.js platform and write a simple HTTP request handler with self-descriptive URLs. You



will learn to set accurate HTTP status codes, study how to keep your applications backward-compatible and explore some authentication techniques to secure your application. Then, you will study how Node.js has emerged as a strong candidate for developing microservices. With this Learning Path, you will be able to use the best practices and create efficient microservices. This Learning Path includes content from the following Packt products: RESTful Web API Design with Node.js 10, Third Edition by Valentin Bojinov Node.js Web Development, Fourth Edition by David Herron Hands-On Microservices with Node.js by Diogo Resende What you will learn Work with REST service development using the Restify framework Use data storage engines, such as MySQL, SQLITE3, and MongoDB in apps Apply user authentication methods with OAuth2 Perform real-time communication with

the front-end using Socket.IO Implement Docker microservices in development, testing, and deployment Perform unit testing with Mocha 5.x and functional testing with Puppeteer 1.1.x Use self-descriptive URLs and set accurate HTTP status codes Deploy a cloud-native microservice to an online provider Who this book is for Node.js Complete Reference Guide is designed for web developers who have a rudimentary understanding of JavaScript and web application development, are keen to enrich their development skills to create RESTful applications, and want utilize their skills to build microservices.

**Full-Stack React, TypeScript, and Node** - David Choi 2020-12-18 Discover the current landscape of full-stack development and how to leverage modern web technologies for building production-ready React.js applications to deploy on AWS

**Key Features** Understand the architecture of React and single-page applications Build a modern Web API for your SPA using Node.js, Express, and GraphQL Gain a clear and practical understanding of how to build a complete full-stack application **Book Description** React sets the standard for building high-performance client-side web apps. Node.js is a scalable application server that is used in thousands of websites, while GraphQL is becoming the standard way for large websites to provide data and services to their users. Together, these technologies, when reinforced with the capabilities of TypeScript, provide a cutting-edge stack for complete web application development. This book takes a hands-on approach to implementing modern web technologies and the associated methodologies for building full-stack apps. You'll begin by gaining a strong understanding of

TypeScript and how to use it to build high-quality web apps. The chapters that follow delve into client-side development with React using the new Hooks API and Redux. Next, you'll get to grips with server-side development with Express, including authentication with Redis-based sessions and accessing databases with TypeORM. The book will then show you how to use Apollo GraphQL to build web services for your full-stack app. Later, you'll learn how to build GraphQL schemas and integrate them with React using Hooks. Finally, you'll focus on how to deploy your application onto an NGINX server using the AWS cloud. By the end of this book, you'll be able to build and deploy complete high-performance web applications using React, Node, and GraphQL. What you will learn Discover TypeScript's most important features and how they can be used to improve code quality and

maintainability Understand what React Hooks are and how to build React apps using them Implement state management for your React app using Redux Set up an Express project with TypeScript and GraphQL from scratch Build a fully functional online forum app using React and GraphQL Add authentication to your web app using Redis Save and retrieve data from a Postgres database using TypeORM Configure NGINX on the AWS cloud to deploy and serve your apps Who this book is for The book is for web developers who want to go beyond front-end web development and enter the world of full-stack web development by learning about modern web technologies and how they come together. A good understanding of JavaScript programming is required before getting started with this web development book.

What Is Node? - Brett McLaughlin 2011-07-13

Node.js. It's the latest in a long line of "Are you cool enough to use me?" programming languages, APIs, and toolkits. In that sense, it lands squarely in the tradition of Rails, and Ajax, and Hadoop, and even to some degree iPhone programming and HTML5. Dig a little deeper, and you'll hear that Node.js (or, as it's more briefly called by many, simply "Node") is a server-side solution for JavaScript, and in particular, for receiving and responding to HTTP requests. If that doesn't completely boggle your mind, by the time the conversation heats up with discussion of ports, sockets, and threads, you'll tend to glaze over. Is this really JavaScript? In fact, why in the world would anyone want to run JavaScript outside of a browser, let alone the server? The good news is that you're hearing (and thinking) about the right things. Node really is concerned with network programming and server-side

Downloaded from [id-blockchain.idea.gov.vn](http://id-blockchain.idea.gov.vn) on  
by guest

request/response processing. The bad news is that like Rails, Ajax, and Hadoop before it, there's precious little clear information available. There will be, in time — as there now is for these other “cool” frameworks that have matured — but why wait for a book or tutorial when you might be able to use Node today, and dramatically improve the maintainability.

**Node. Js Design Patterns - Mario Casciaro 2020-07-28**

Learn proven patterns, techniques, and tricks to take full advantage of the Node.js platform. Master well-known design principles to create applications that are readable, extensible, and that can grow big.

**Key Features** Learn how to create solid server-side applications by leveraging the full power of Node.js 14

Understand how Node.js works and learn how to take full advantage of its core components as well as the solutions offered by

its ecosystem Avoid common mistakes and use proven patterns to create production grade Node.js applications **Book Description** In this book, we will show you how to implement a series of best practices and design patterns to help you create efficient and robust Node.js applications with ease. We kick off by exploring the basics of Node.js, analyzing its asynchronous event driven architecture and its fundamental design patterns. We then show you how to build asynchronous control flow patterns with callbacks, promises and async/await. Next, we dive into Node.js streams, unveiling their power and showing you how to use them at their full capacity. Following streams is an analysis of different creational, structural, and behavioral design patterns that take full advantage of JavaScript and Node.js. Lastly, the book dives into more advanced concepts such as

Universal JavaScript, scalability and messaging patterns to help you build enterprise-grade distributed applications.

Throughout the book, you'll see Node.js in action with the help of several real-life examples leveraging technologies such as LevelDB, Redis, RabbitMQ, ZeroMQ, and many others. They will be used to demonstrate a pattern or technique, but they will also give you a great introduction to the Node.js ecosystem and its set of solutions.

What you will learn

- Become comfortable with writing asynchronous code by leveraging callbacks, promises, and the `async/await` syntax
- Leverage Node.js streams to create data-driven asynchronous processing pipelines
- Implement well-known software design patterns to create production grade applications
- Share code between Node.js and the browser and take advantage of full-stack JavaScript
- Build and scale microservices and

distributed systems powered by Node.js

Use Node.js in conjunction with other powerful technologies such as Redis, RabbitMQ, ZeroMQ, and LevelDB

Who this book is for

This book is for developers and software architects who have some prior basic knowledge of JavaScript and Node.js and now want to get the most out of these technologies in terms of productivity, design quality, and scalability.

Software professionals with intermediate experience in Node.js and JavaScript will also find valuable the more advanced patterns and techniques presented in this book.

This book assumes that you have an intermediate understanding of web application development, databases, and software design principles.

[Node.js in Action](#) - Mike

Cantelon 2013-07-28

Provides information on using Node.js to build scalable Web applications, covering such topics

as asynchronous programming, data storage, and output templating.

### **Pro Node.js for Developers -**

Colin J. Ihrig 2014-01-18

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.

Node.js in Action - Tim Oxley  
2017-08-16

Summary Node.js in Action, Second Edition is a thoroughly revised book based on the best-selling first edition. It starts at square one and guides you through all the features, techniques, and concepts you'll need to build production-quality Node applications. Purchase of

the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology You already know JavaScript. The trick to mastering Node.js is learning how to build applications that fully exploit its powerful asynchronous event handling and non-blocking I/O features. The Node server radically simplifies event-driven real-time apps like chat, games, and live data analytics, and with its incredibly rich ecosystem of modules, tools, and libraries, it's hard to beat!

About the Book Based on the bestselling first edition, Node.js in Action, Second Edition is a completely new book. Packed with practical examples, it teaches you how to create high-performance web servers using JavaScript and Node. You'll master key design concepts such as asynchronous programming, state management, and event-driven programming. And you'll

learn to put together MVC servers using Express and Connect, design web APIs, and set up the perfect production environment to build, lint, and test. What's Inside Mastering non-blocking I/O The Node event loop Testing and deploying Web application templating About the Reader Written for web developers with intermediate JavaScript skills. About the Authors The Second Edition author team includes Node masters Alex Young, Bradley Meck, Mike Cantelon, and Tim Oxley, along with original authors Marc Harter, T.J. Holowaychuk, and Nathan Rajlich. Table of contents PART 1 - WELCOME TO NODE Welcome to Node.js Node programming fundamentals What is a Node web application? PART 2 - WEB DEVELOPMENT WITH NODE Front-end build systems Server-side frameworks Connect and Express in depth Web application

templating Storing application data Testing Node applications Deploying Node applications and maintaining uptime PART 3 - BEYOND WEB

DEVELOPMENT Writing command-line applications Conquering the desktop with Electron

**Node.js By Example** - Krasimir Tsonev 2015-05-25

If you are a JavaScript developer with no experience with Node.js or server-side web development, this book is for you. It will lead you through creating a fairly complex social network. You will learn how to work with a database and create real-time communication channels.

**Modern Full-Stack Development** - Frank Zammetti 2020-03-29

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.

**Node.js Design Patterns** - Mario Casciaro 2020-07-29

Learn proven patterns, techniques, and tricks to take full advantage of the Node.js platform. Master well-known design principles to create applications that are readable, extensible, and that can grow big. Key Features Learn how to create solid server-side applications by leveraging the full power of Node.js 14 Understand how Node.js works and learn how to take full advantage of its core components as well as the solutions offered by its ecosystem Avoid common mistakes and use proven patterns to create production grade Node.js applications Book Description In this book, we will show you how to implement a series of best practices and design patterns to help you create efficient and robust Node.js applications with ease. We kick

off by exploring the basics of Node.js, analyzing its asynchronous event driven architecture and its fundamental design patterns. We then show you how to build asynchronous control flow patterns with callbacks, promises and `async/await`. Next, we dive into Node.js streams, unveiling their power and showing you how to use them at their full capacity. Following streams is an analysis of different creational, structural, and behavioral design patterns that take full advantage of JavaScript and Node.js. Lastly, the book dives into more advanced concepts such as Universal JavaScript, scalability and messaging patterns to help you build enterprise-grade distributed applications. Throughout the book, you'll see Node.js in action with the help of several real-life examples leveraging technologies such as LevelDB, Redis, RabbitMQ, ZeroMQ, and many others. They

will be used to demonstrate a pattern or technique, but they will also give you a great introduction to the Node.js ecosystem and its set of solutions. What you will learn Become comfortable with writing asynchronous code by leveraging callbacks, promises, and the `async/await` syntax Leverage Node.js streams to create data-driven asynchronous processing pipelines Implement well-known software design patterns to create production grade applications Share code between Node.js and the browser and take advantage of full-stack JavaScript Build and scale microservices and distributed systems powered by Node.js Use Node.js in conjunction with other powerful technologies such as Redis, RabbitMQ, ZeroMQ, and LevelDB Who this book is for This book is for developers and software architects who have some prior basic knowledge of JavaScript and Node.js and now

want to get the most out of these technologies in terms of productivity, design quality, and scalability. Software professionals with intermediate experience in Node.js and JavaScript will also find valuable the more advanced patterns and techniques presented in this book. This book assumes that you have an intermediate understanding of web application development, databases, and software design principles.

### **Learning Node.js, 2/e** - Marc

Wandschneider 2016

Learning Node.js, Second Edition

A clear, practical introduction to the important new web

development technology for

creating web server applications

in JavaScript Description

Learning Node.js LiveLessons

provides developers with a

practical introduction to Node.js,

an important platform for

developing web and network

applications. Marc

Wandschneider has more than 20

years of experience as a developer and is the author of two programming books and one other LiveLessons video training.

In this video training, Marc starts by introducing Node.js, installing, and running it. The video then

moves into writing JSON servers, web applications, client-side templates, and continues by

covering database access to both SQL and NoSQL database servers.

After watching this video, developers will begin to

understand why Node.js inspires so much passion, and they will be

able to write fast, compact, and reliable applications and web

server. What's New The second edition updates coverage of

Node.js to reflect changes in the technology and how it is used in

the three years since the first edition was published:

Explanation of Node's new

versioning scheme Updated

coverage of Streams New

coverage of installation using pre-build installers rather than from

source code New coverage of Mongoose in the section on MongoDB New information about deploying Node on Heroku and Azure Expansion of coverage on testing About the Instructor Marc Wandschneider has worked extensively with open source and web development platforms. He travels the globe, consulting as a lead manager for software projects and teams. He is the author of the book Learning Node.js (Addison-Wesley) and the video courses Learning AngularJS and Learning Node.js LiveLessons. A graduate of the McGill University School of Computer Science, he spent five years working for Microsoft, where he developed and managed developers on the Visual Basic, Visual J++, and .NET Windows Forms teams.

Skill Level Beginner  
Intermediate What You Will Learn: Why Node is really exciting How Node is hugely innovative and new How not to

be afraid of JavaScript and indeed how to embrace it How to write fast, compact, and reliable application and web servers How to stay up to date with the latest in web application design and techniques Who Should Take This Course Web developers and instructors who want to quickly get up to speed with the fundamentals of Node.js Course Requirements Basic understanding of JavaScript and...  
How To Code in Node.js - David Landup 2020-12-14

**Building APIs with Node.js** - Caio Ribeiro Pereira 2016-12-10  
Learn how to build scalable APIs using the Node.js platform and ES6 (EcmaScript 2015) with this quick, informative guide.  
Developing systems for the wide range of devices available in the modern world requires the construction of APIs designed to work only with data in a centralized manner, allowing client-side applications to be

developed separately and have a unique interface for the final user. Node.js has proven itself to be an excellent platform for building REST APIs because of its single-thread architecture. It has a low learning curve and can be understood by anyone who has a basic understanding of the JavaScript language. Use Building APIs with Node.js today to understand how Node.js APIs work, and how you can build your own. What You Will Learn Build scalable APIs using the Node.js platform Use ES6, Express, Passport, ApiDoc, Mocha, Helmet and more Integrate an SQL database through Sequelize.js and build a single page application using Vanilla.js Who This Book Is For Ideal for developers who have a basic understanding of JavaScript and Node.js.

### **Node.js High Performance -**

Diogo Resende 2015-08-19

Take your application to the next level of high performance using

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

application and monitor the aspects that can and should be. Starting with performance analysis concepts and their importance in helping Node.js developers eliminate performance bottlenecks, this book will take you through development patterns to avoid performance penalties. You will learn the importance of garbage collection and its behaviour, and discover how to profile your processor, allowing better performance and scalability. You will then learn about the different types of data storage methods. Moving on, you will get to grips with testing and benchmarking applications to avoid unknown application test zones. Lastly, you will explore the limits that external components can impose in your application in the form of bottlenecks. By following the examples in each chapter, you will discover tips to getting better performing applications by

avoiding anti-patterns and stretching the limits of your environment as much as possible. What You Will Learn Develop applications using well-defined and well-tested development patterns Explore memory management and garbage collection to improve performance Monitor memory changes and analyze heap snapshots Profile the CPU and improve your code to avoid patterns that force intensive processor usage Understand the importance of data and when you should cache information. Learn to always test your code and benchmark when needed Extend your application's scope and know what other elements can influence performance Who This Book Is For This book is for Node.js developers who want a more in-depth knowledge of the platform to improve the performance of their applications. Whether you have a base Node.js background or you are an expert

who knows the garbage collector and wants to leverage it to make applications more robust, the examples in this book will benefit you. Style and approach This is a practical guide to learning high performance, which even the least experienced developer will comprehend. Small and simple examples help you test concepts yourself and easily adapt them to any application, boosting its performance and preparing it for the real-world.

### **Node.js for PHP Developers -**

Daniel Howard 2012-11-29

If you're an experienced PHP developer, you already have a head start on learning how to write Node.js code. In this book, author Daniel Howard demonstrates the remarkable similarities between the two languages, and shows you how to port your entire PHP web application to Node.js. By comparing specific PHP features

with their Node counterparts, you'll also discover how to refactor and improve existing PHP 4 or PHP 5 source code. At the end, you'll have two fully functional codebases to provide to your users. You can update both of them simultaneously, using this book as a reference to important aspects of PHP and Node.js. Use a simple Node.js framework to convert individual PHP pages to Node.js files Refactor blocking PHP source code to non-blocking Node.js source code that uses callbacks Convert PHP syntax, variables, and types to Node.js Use a step-by-step technique for implementing PHP classes and class inheritance in Node.js Convert PHP file handling APIs into their Node.js equivalents Compare approaches for using a MySQL database in Node.js and PHP Convert PHP code for JSON or XML APIs into Node.js code for npm packages