Node

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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. What you'll learn• Learn how JavaScript can help you be highly productive as a full-stack developer • How to set up an end to end Node.js development environment • Learn how to create reusable and maintainable Node.js modules • Patterns for sharing code between the server and the client • Create Node.js restful web services and websites • Store and retrieve your data using Document Databases • How to test your Node.js applications • How to deploy your applications on the internet
Who this book is for Beginning Node.js is great for front-end developers looking to use Node.js in their websites. If you understand the basics of programming this book will teach you how you can leverage JavaScript to create full stack web-apps using Node.js. Node.js allows you to write code that runs both on the client and server. This allows you to reuse more code and deliver applications faster. From this book you will learn how to write maintainable server-side JavaScript using Node.js, how to test your code and deploy it on the internet. Table of Contents Chapter 1: Setting up for Node.js Development Chapter 2: Understanding Node.js Chapter 3: Core Node.js Chapter 4: Node.js Packages Chapter 5: Events and Streams Chapter 6: Getting Started with HTTP Chapter 7: Introducing Express Chapter 8: Persisting Data Chapter 9: Front-End Basics Chapter 10: Simplifying Callbacks Chapter 11: Debugging Chapter 12: Testing Chapter 13: Deployment and Scalability

Professional Node.js - Pedro Teixeira 2012-10-01
Learn to build fast and scalable software in JavaScript with Node.js
Node.js is a powerful and popular new framework for writing scalable network programs using JavaScript. This no nonsense book begins with an overview of Node.js and then quickly dives into the code, core concepts, and APIs. In-depth coverage pares down the essentials to cover debugging, unit testing, and flow control so that you can start building and testing your own modules right away. Covers node and asynchronous
programming main concepts Addresses the basics: modules, buffers, events, and timers Explores streams, file systems, networking, and automated unit testing Goes beyond the basics, and shares techniques and tools for debugging, unit testing, and flow control If you already know JavaScript and are curious about the power of Node.js, then this is the ideal book for you.

Parallel and Distributed Processing and Applications - Ivan Stojmenovic 2007-08-22
This book constitutes the refereed proceedings of the 5th International Symposium on Parallel and Distributed Processing and Applications, ISPA 2007, held in Niagara Falls, Canada, in August 2007. The 83 revised full papers presented together with three keynote are cover algorithms and applications, architectures and systems, datamining and databases, fault tolerance and security, middleware and cooperative computing, networks, as well as software and languages.

Node.js - I. T. Starter Series 2018-04-14
Beginners Guide To Node.js Are you mystified by what Node.js is? Do you know a little but would like to dive in further? If so, this book was written for you. Node.js is a platform centered on Chrome's JavaScript runtime, allowing you to conveniently create scalable network applications. This guide provides the basic starting point to leverage Node.js to work for you. Learn everything you need to understand how to write client-side scripting in Node.js: Web Development for Beginners: Learn the Basics of Node.js in One Week you will know how to install and use Node.js in real time applications. This is a great resource for developers and companies looking to impact efficiency and the bottom line. Node developers, on average are some of the highest paid. This is the real-time platform of the future. As more and more businesses and organizations adopt Node, Node.js developers are sitting on the cusp of the future. Learn it now to stay ahead of the competition! This guide for beginners covers the basics of what Node.js is and how you can use it to your advantage. Get your copy today!

Node: Up and Running - Tom Hughes-Croucher 2012-04-23
This book introduces you to Node, the new web development framework written 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

The Node Book - Zipporah Pottinger Dobyns 2010-08
Ancient myths describe an eclipse as the Sun or Moon being swallowed by a dragon. Since an eclipse could only occur near the lunar nodes, these became the head and tail of the dragon. Older references and eastern astrology still call the Moon's North Node the Dragon's Head and
the South Node the Dragon's Tail. The Node Book goes beyond detailed information about the Moon's Nodes in signs and houses. Also included are chapters focused on the planetary nodes of Mercury, Venus, Mars, Jupiter, Saturn, Uranus, and Pluto, and the nodes of the four main asteroids: Ceres, Vesta, Juno, and Pallas. Extensive tables and directions for their use make it easy to find the nodes for the planets and asteroids.

Node.js - Mem Lnc 2020-07-25
There are plenty of definitions to be found online. Let's take a look at a couple of the more popular ones. This is what the project's home page has to say: - Node.js(R) is a JavaScript runtime built on Chrome's V8 JavaScript engine. And this is what Stack Overflow has to offer: - Node.js is an event-based, non-blocking, asynchronous I/O runtime that uses Google's V8 JavaScript engine and libuv library. Hmm, "event-based", "non-blocking", "asynchronous I/O" - that's quite a lot to digest in one go. So let's approach this from a different angle and begin by focusing on the other detail that both descriptions mention - the V8 JavaScript engine.

Node Is Built on Google Chrome's V8 JavaScript Engine
The V8 engine is the open-source JavaScript engine that runs in Google Chrome and other Chromium-based web browsers, including Brave, Opera, and Vivaldi. It was designed with performance in mind and is responsible for compiling JavaScript directly to native machine code that your computer can execute. However, when we say that Node is built on the V8 engine, we don't mean that Node programs are executed in a browser. They aren't. Rather, the creator of Node (Ryan Dahl) took the V8 engine and enhanced it with various features, such as a file system API, an HTTP library, and a number of operating system-related utility methods. This means that Node.js is a program we can use to execute JavaScript on our computers. In other words, it's a JavaScript runtime.

How Do I Install Node.js?
In this next section, we'll install Node and write a couple of simple programs. We'll also look at npm, a package manager that comes bundled with Node. Node Binaries vs Version Manager
Many websites will recommend that you head to the official Node download page and grab the Node binaries for your system. While that works, I would suggest that you use a version manager instead. This is a program that allows you to install multiple versions of Node and switch between them at will.

Node.js Recipes - Cory Gackenheimer 2013-11-23
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.

Node.js: Tools & Skills - James Hibbard 2020-04-24
While there have been quite a few attempts to get JavaScript working as a server-side language, Node.js (frequently just called Node) has been the first environment that's gained any traction. It's now used by companies such as Netflix, Uber and Paypal to power their web apps. Node allows for blazingly fast performance; thanks to its event loop model, common tasks like network connection and database I/O can be executed very quickly indeed. In this book, we'll take a look at a selection of the related tools and skills that will make you a much more productive Node developer. It contains: Installing Multiple Versions of Node.js Using nvm A Beginner's Guide to npm Create New Express.js Apps in Minutes with Express Generator An Introduction to AdonisJs, a Laravel-like Node.js Framework Top 5 Developer-friendly Node.js API Frameworks Using MySQL with Node.js and the mysql JavaScript Client Introduction to MongoDB

IBM System Blue Gene Solution: Blue Gene/Q Service Node Failover using Linux High Availability - Kiswanto Thayib 2013-05-22
This IBM® RedpaperTM publication explains how to configure failover
for an IBM Blue Gene/Q® service node. This process includes downloading and installing software from the Linux-HA project, configuring clustering and storage, and setting up the Hardware Management Console (HMC) as a Shoot the Other Node in the Head (STONITH) device.

*North Node Astrology* - Elizabeth Spring 2009-03-11

“North Node Astrology” reveals the “Soul’s Code” contained in the North and South Nodes of your astrological chart--giving you unique insights into life direction and soul purpose.

*Secure Self Re-Organizing of Nodes Using Closeness Technique in Cluster MANET* - C. Sathiya Kumar 2017-11-01

Mobile ad hoc network (MANET) is defined as a self-configuring infrastructureless network used for communication by wireless links with the support of mobile devices. A MANET is referred to as a wireless network with independent nodes moving freely with respect to each other. Due to the independent free moves of nodes, a huge amount of packet data loss occurs in transmitting the packet from source to destination. The risk of node misbehaviour is extremely high. The unsecured ad hoc network environment is initiated due to the active nature of networks and node mobility. In addition, the task of key management is more complex in ad hoc network. Due to the nature of free moving characteristics, MANET faces improper node cooperation. The main reason behind ineffective node cooperation is presence of malicious or selfish nodes. Moreover, the existence of malicious unauthenticated nodes causes insecure communication. Hence, the proposed system aims in the development of proper node cooperation, malicious node detection and secure communication in MANET.

*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.

Mastering Node.js - Sandro Pasquali 2013-11-25
This book contains an extensive set of practical examples and an easy-to-follow approach to creating 3D objects. This book is great for anyone who already knows JavaScript and who wants to start creating 3D graphics that run in any browser. You don’t need to know anything about advanced math or WebGL; all that is needed is a general knowledge of JavaScript and HTML. The required materials and examples can be freely downloaded and all tools used in this book are open source.

Node for Front-end Developers - Garann Means 2012
If you know how to use JavaScript in the browser, you already have the skills you need to put JavaScript to work on back-end servers with Node. This hands-on book shows you how to use this popular JavaScript platform to create simple server applications, communicate with the client, build dynamic pages, work with data, and tackle other tasks. Although Node has a complete library of developer-contributed modules to automate server-side development, this book will show you how to program with Node on your own, so you truly understand the platform. Discover firsthand how well Node works as a web server, and how easy it is to learn and use. Set up Node and learn how to build scaffolding for a web application Work with Node natively to see how it functions as a web server Understand how Node receives client data from GET and POST requests Use the Socket.IO module to facilitate realtime client-server communication Choose from among several Node templates to create dynamic pages Learn how to connect to a database, and store data in files Implement the Model-View-Controller pattern, and share Node modules with server and client.

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 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.

Pro Node.js for Developers - Colin J. Ihrig 2013-11-25
Since its 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. What you’ll learn: Install, configure and deploy Node.js apps effectively Understand the Node.js asynchronous programming model in detail Create both web and network-based Node.js applications with ease Learn to work effectively with varied data sources and file types Discover advanced software engineering concepts that will will save you time and promote code reuse

Who this book is for: This book is for developers who already have a working knowledge of JavaScript and are interested in adopting Node.js into their projects. All other concepts will be introduced from first-principals.

Table of Contents: Introducing Node.js The Node Module System The Event Loop Events Timers and Scheduling The Command Line Interface Accessing the File System Data Streams Binary Data Creating Child Processes Network Programming HTTP Server Development Connect Connecting to Databases Logging Application Scaling Appendix

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


Learning Node - Shelley Powers 2012-10-03
Provides information on writing scalable network applications using the JavaScript-based platform.

Practical Node-RED Programming - Taiji Hagino 2021-03-22
Use a low-code programming approach to create event-driven applications from scratch by wiring together hardware devices, APIs, and online services Learn how to wire together flows using a browser-based visual editor Handle IoT data with little to no coding knowledgeBook Description: Node-RED is a free and open source flow-based programming tool used to handle IoT data that allows programmers of any level to interconnect physical I/O, cloud-based systems, databases, and APIs to build web applications without code. Practical Node-RED Programming is a comprehensive introduction for anyone looking to get up to speed with the Node-RED ecosystem in no time. Complete with hands-on tutorials, projects, and self-assessment questions, this easy-to-follow guide will help you to become well versed in the foundations of Node-RED. You’ll learn how to use Node-RED to handle IoT data and build web applications without having to write complex code. Once you’ve covered the basics, you’ll explore various visual programming techniques and find out how to make sample flows as you cover web development, IoT development, and cloud service connections, and finally build useful real-world applications. By the end of this book, you’ll have learned how to use Node-RED to develop a real-world application from scratch, which can then be implemented in your business. What you will learn: Understand the history of Node-RED and why you need to learn a flow-based programming tool Use Node-RED to build Node.js-based applications Handle data for IoT devices using Node-RED flows Explore advanced Node-RED features such as connecting...
repositories and customizing the flow editor Find out what the MQTT protocol is and how it relates to Node-RED Create and publish your own nodes and flows using the Node-RED library Who this book is for This Node-RED book is for web developers and IoT engineers with some background in JavaScript and Node.js. Although not necessary, familiarity with the concepts of electronics will help you to make the most out of this book.

**Optimal Localization of Internet of Things Nodes** - Sheetal N Ghorpade 2021-11-16

This book is a practical resource for designing Internet of Things (IoT) networks and implementing IoT applications from the localization perspective. With the emergence of IoT, machine to machine communication, Industrial IoT, and other societal applications, many applications require knowledge of the exact location of mobile IoT nodes in real-time. As the IoT nodes have computational and energy limitations, it is a crucial research challenge to optimize the network's performance with the highest localization accuracy. Many researchers are working towards such localization problems. However, there is no single book available for the detailed study on IoT node localization. This book provides one-stop multidisciplinary solutions for IoT node localization, design requirements, challenges, constraints, available techniques, comparison, related applications, and future directions. Special features included are theory supported by algorithmic development, treatment of optimization techniques, and applications.

**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 code!" --

**Node Localization in Wireless Sensor Networks** - Xue Zhang 2022-06-01

In sensor network applications, measured data are often meaningful only when the location is accurately known. In this booklet, we study research problems associated with node localization in wireless sensor networks. We describe sensor network localization problems in terms of a detection and estimation framework and we emphasize specifically a cooperative process where sensors with known locations are used to localize nodes at unknown locations. In this class of problems, even if the location of a node is known, the wireless links and transmission modalities between two nodes may be unknown. In this case, sensor nodes are used to detect the location and estimate pertinent data transmission activities between nodes. In addition to the broader problem of sensor localization, this booklet studies also specific localization measurements such as time of arrival (TOA), received signal strength (RSS), and direction of arrival (DOA). The sequential localization algorithm, which uses a subset of sensor nodes to estimate nearby sensor nodes' locations is discussed in detail. Extensive bibliography is given for those readers who want to delve further into specific topics.

**The Complete Node Book** - Kevin Burk 2003

This book is the first comprehensive guide to the Moon's nodes—probably the most misunderstood points in astrology. The nodes are not planets, but the points on your birth chart where the orbit of the Moon around the Earth crosses the ecliptic. The nodes are the key to understanding your spiritual purpose for this lifetime. The South Node reveals the lessons, talents, and abilities you mastered in past lives, while the North Node shows you how to best use your past-life skills for spiritual growth, happiness, and success in this life. The Complete Node Book presents a new and empowering perspective on the nodes. It defines and analyzes the specific lessons and challenges presented by each of the 144 possible placements of the nodes. Both sign and house placement of the nodes are considered for extraordinarily insightful and accurate interpretations. For beginning astrologers, this guidebook provides easy-to-find personal interpretations and a free birth chart offer. For advanced astrologers, it
will serve as the definitive reference manual on the Moon's nodes.

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

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 Mongoskin 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 Mongoskin and Mongoose MongoDB libraries Build REST API servers with Express and Hapi Deploy apps to Heroku and AWS Test services with Mocha, Expect and TravisCI 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.

Full Stack JavaScript - Azat Mardan 2018-11-14

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 appsReview 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 environmentWho This Book Is For Programmers who want to learn more about effective JavaScript coding

**Atlas of Lymphoscintigraphy and Sentinel Node Mapping** - Giuliano Mariani 2012-12-23

Although lymphoscintigraphy was originally introduced into clinical routine for identification of the cause of peripheral edema, more recently it has been widely applied for radioguided biopsy of the sentinel lymph node in patients with solid cancers. The procedure is now considered crucial for adequate planning of oncologic surgery in a growing number of cancers. This atlas presents a collection of richly illustrated teaching cases that demonstrate the clinical relevance and impact of lymphoscintigraphy in different pathologic conditions. After introductory chapters on the anatomy, physiology, and pathophysiology of lymphatic circulation, the role of lymphoscintigraphy in differential diagnosis of peripheral edema and characterization of intracavitary lymph effusions is addressed. The principal focus of the book, however, is on the use of lymphoscintigraphic mapping for radioguided sentinel node biopsy in cutaneous melanoma and cancers at a range of anatomic sites. The most commonly observed lymphoscintigraphic patterns are depicted, and anatomic variants and technical pitfalls of the procedure receive careful attention. The role of tomographic multimodality imaging is also considered. The atlas will be an excellent learning tool for residents in nuclear medicine and other specialists with an interest in the field.

**Diagnostic Lymph Node Pathology** - Margaret Ashton-Key 2018-10-08

Diagnostic Lymph Node Pathology presents a logical and systematic approach to lymph node biopsies and guides general pathologists and haematopathologists alike through the maze of differential diagnoses, enabling them to reach an accurate diagnosis. The book is presented in an easy-to-read format and contains boxes for quick reference detailing the clinical, morphological, immunohistochemical, and genetic features of each entity. Thoroughly revised, the third edition also includes more than 300 high-quality histological colour photographs along with updated references. This edition covers both classical and less well-known features of individual disease processes. It is a valuable guide for both professionals and trainees.

**The Hemolymph Nodes of the Sheep** - Arthur William Meyer 1914

**Nodes and Networks in Diachronic Construction Grammar** - Lotte Sommerer 2020-05-15

This volume brings together ten contributions by leading experts who present their current usage-based research in Diachronic Construction Grammar. All papers contribute to the discussion of how to conceptualize constructional networks best and how to model changes in the constructicon, as for example node creation or loss, node-external reconfiguration of the network or in/decrease in productivity and schematicity. The authors discuss the theoretical status of allostructions, homostructions, constructional families and constructional paradigms. The terminological distinction between constructionalization and constructional change is revisited. It is shown how constructional competition but also general cognitive abilities like analogical thinking and schematization relate to the structure and reorganization of the constructional network. Most contributions focus on the nature of vertical and horizontal links. Finally, contributions to the volume also discuss how existing network models should be enriched or reconceptualized in order to integrate theoretical, psychological and neurological aspects missing so far.

**Atlas of Lymph Node Anatomy** - Mukesh G. Harisinghani 2021-09-02
This book is a comprehensive atlas on lymph node anatomy and drainage to aid in cancer staging and therapy. Nodal drainage is pertinent to all aspects of cancer staging and therapy and is used by radiation oncologists, surgeons, and medical oncologists to increase accuracy. The first edition of this text was the first comprehensive monograph on this topic, allowing physicians across various specialties to utilize this information and easily share that knowledge with residents, fellows, and junior faculty. Detailed anatomic drawings and state-of-the-art radiologic images combine to produce this essential Atlas of Lymph Node Anatomy. Utilizing the most recent advances in medical imaging, this book illustrates the nodal drainage stations in the head and neck, chest, abdomen, and pelvis. Also featured are clinical cases depicting drainage pathways for common malignancies. 2-D and 3-D maps offer color-coordinated representations of the lymph nodes in correlation with the anatomic illustrations. This simple, straightforward approach makes this book a perfect daily resource for a wide spectrum of specialties and physicians at all levels who are looking to gain a better understanding of lymph node anatomy and drainage. This new edition enables physicians to educate themselves on the location of various nodal stations, especially in the context of common primary tumors, so that they are able to detect, localize, and characterize nodes seen with novel new imaging methods and with an increased level of accuracy. Chapters now cover the significant strides made in the imaging realm, such as PET CT, conventional MRI, MRI with novel imaging agents, and multidetector CT, which allows visualization of lymph nodes in various anatomic compartments.

Learning Node.js - Marc Wandschneider 2016-12-23
This is the eBook of the printed book and may not include any media, website access codes, or print supplements that may come packaged with the bound book. Learning Node.js brings together the knowledge and JavaScript code needed to build master the Node.js platform and build server-side applications with extraordinary speed and scalability. You’ll start by installing and running Node.js, understanding the extensions it uses, and quickly writing your first app. Next, building on the basics, you’ll write more capable application servers and extend them with today’s most powerful Node.js tools and modules. Finally, you’ll discover today’s best practices for testing, running Node.js code on production servers, and writing command-line utilities. Throughout the book, author Marc Wandschneider teaches by walking the reader line-by-line through carefully crafted examples, demonstrating proven techniques for creating highly efficient applications and servers. 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 MongoDB in the section on MongoDB New information about deploying Node on Heroku and Azure New coverage of testing If you’re a developer who wants to build server-side web applications with Node.js, Learning Node.js is your fastest route to success. Build Node.js solutions that leverage current JavaScript skills Master Node.js nonblocking IO and async programming Handle more requests and increase an application’s flexibility Use and write modules Perform common JSON/web server tasks Use browsers to generate pages on the fly via Ajax calls and template libraries Simplify development with the Express framework Create database back-ends using popular NoSQL and relational databases Deploy and run Node.js apps on Unix/macOS or Windows servers Deploy apps to Heroku and Microsoft Azure Support virtual hosts and SSL/HTTPS security Test Node.js programs that mix synchronous, async, and RESTful server API functionality

Node.js for PHP Developers - Daniel Howard 2013
Demonstrates the remarkable similarities between Node.js and PHP, and teaches readers how to port an entire PHP web application to Node.js. The CLI Book - Robert Kowalski 2017-11-29
Learn everything that makes command line clients such as Git and npm so successful, and how to compose the best on your own. This book is your concise step-by-step guide to writing command line clients with Node.js. You'll start by discovering what is needed for a successful
command line client and develop a solid foundation for practical skill. Next you will build an application based on learned principles in Node.js. The sometimes-puzzling world of streaming is fully explained with practical examples, as well as unit testing and integration testing. Lastly you'll explore a full range of tips and tricks designed to make the daily life of a software maintainer easier. The Node.js ecosystem provides support for writing command line clients and has a thriving, very active community. With this book as your guide, you'll become a successful creator of your own command line clients. Make an impact in the areas you really care about using The CLI Book. What You'll Learn Become a successful creator of your own command line clients and make an impact Set your command line tool apart from others Prioritize user experience Employ best practices to structure and architect your own clients Apply tips and tricks collected from years of developing with Node.js Who This Book Is For Those who know some JavaScript and want to deepen their knowledge, especially in the area of CLI development. Node.js in Practice - Alex R. Young 2014-12-19 Summary Node.js in Practice is a collection of fully tested examples that offer solutions to the common and not-so-common issues you face when you roll out Node. You'll dig into important topics like the ins and outs of event-based programming, how and why to use closures, how to structure applications to take advantage of end-to-end JavaScript apps, and more. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Book You've decided to use Node.js for your next project and you need the skills to implement Node in production. It would be great to have Node experts Alex Young and Marc Harter at your side to help you tackle those day-to-day challenges. With this book, you can! Node.js in Practice is a collection of 115 thoroughly tested examples and instantly useful techniques guaranteed to make any Node application go more smoothly. Following a common-sense Problem/Solution format, these experience-fueled techniques cover important topics like event-based programming, streams, integrating external applications, and deployment. The abundantly annotated code makes the examples easy to follow, and techniques are organized into logical clusters, so it's a snap to find what you're looking for. Written for readers who have a practical knowledge of JavaScript and the basics of Node.js. What's Inside Common usage examples, from basic to advanced Designing and writing modules Testing and debugging Node apps Integrating Node into existing systems About the Authors Alex Young is a seasoned JavaScript developer who blogs regularly at DailyJS. Marc Harter works daily on large-scale projects including high-availability real-time applications, streaming interfaces, and other data-intensive systems. Table of Contents PART 1 NODE FUNDAMENTALS Getting started Globals: Node's environment Buffers: Working with bits, bytes, and encodings Events: Mastering EventEmitter and beyond Streams: Node's most powerful and misunderstood feature File system: Synchronous and asynchronous approaches Networking: Node's true "Hello, World" Child processes: Integrating external applications with Node PART 2 REAL-WORLD RECIPES The Web: Build leaner and meaner web applications Tests: The key to confident code Debugging: Designing for introspection and resolving issues Node in production: Deploying applications safely PART 3 WRITING MODULES Writing modules: Mastering what Node is all about Web Development with MongoDB and Node.js - Jason Krol 2014-09-25 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. Ioachim's Lymph Node Pathology - Harry L. Ioachim 2009 Now in its Fourth Edition, this comprehensive, practical, and thoroughly illustrated reference offers valuable guidance in the diagnostic interpretation of lymph node biopsies. It provides encyclopedic coverage of all the various nonmalignant lesions, lymphomas, other neoplasms, and metastatic tumors in lymph nodes. The discussion of each pathologic entity includes definition, clinical syndrome, histopathology, and differential diagnosis. This edition has more than 700 illustrations, including over 600 in full color. Dr. Ioachim is joined by a new co-editor,
L. Jeffrey Medeiros, MD, from the University of Texas MD Anderson Cancer Center. All chapters have been extensively revised and a new chapter on genetics has been added. A companion Website will offer the fully searchable online text and an image bank.

REST API Development with Node.js - Fernando Doglio 2018-07-19

Manage and understand the full capabilities of successful REST development. REST API development is a hot topic in the programming world, but not many resources exist for developers to really understand how you can leverage the advantages. This completely updated second edition provides a brief background on REST and the tools it provides (well known and not so well known), then explains how there is more to REST than just JSON and URLs. You will learn about the maintained modules currently available in the npm community, including Express, Restify, Vatican, and Swagger. Finally you will code an example API from start to finish, using a subset of the tools covered. The Node community is currently flooded with modules; some of them are published once and never updated again - cluttering the entire universe of packages. Pro REST API Development with Node.js shines light into that black hole of modules for the developers trying to create an API. Understand REST API development with Node.js using this book today. What You'll Learn

Understand how REST and API development mix up with Node.js
Create a scalable, technology agnostic, and uniform interface
Prepare your services to be consumed by your clients
Test and deploy your API
Review troubleshooting techniques

Who This Book Is For

Any Node.js developer who wants to fully understand REST API development. Beginner and Intermediate Node.js developers who are looking to fully understand how to create RESTful microservices.