Web Development with MongoDB and NodeJS

Second Edition

Build an interactive and full-featured web application from scratch using Node.js and MongoDB

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Jason Krol

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PUBLISHING

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Web Development With Mongodb And Nodejs:

   Web Development with MongoDB and NodeJS Mithun Satheesh,Bruno Joseph D'mello,Jason Krol,2015-10-30 Build an interactive and full featured web application from scratch using Node js and MongoDB About This Book Configure your development environment to use Node js and MongoDB Use Node js to connect to a MongoDB database and perform data manipulations A practical guide with clear instructions to design and develop a complete web application from start to finish Who This Book Is For This book is designed for JavaScript developers of any skill level that want to get up and running using Node js and MongoDB to build full featured web applications A basic understanding of JavaScript and HTML is the only requirement for this book What You Will Learn Configure your development environment to use Node js and MongoDB Write and configure a web server using Node js powered by the Express js framework Build dynamic HTML pages using the Handlebars template engine Persist application data using MongoDB and Mongoose ODM Test your code using automated testing tools such as the Mocha framework Deploy the development environment to the cloud using services such as Heroku Amazon Web Services and Microsoft Azure Explore Single Page application frameworks to take your web applications to the next level In Detail Node js and MongoDB are quickly becoming one of the most popular tech stacks for the web Powered by Google s V8 engine Node js caters to easily building fast scalable network applications while MongoDB is the perfect fit as a scalable high performance open source NoSQL database solution Using these two technologies together web applications can be built quickly and easily and deployed to the cloud with very little difficulty The book will begin by introducing you to the groundwork needed to set up the development environment Here you will quickly run through the steps necessary to get the main application server up and running Then you will see how to use Node js to connect to a MongoDB database and perform data manipulations From here on the book will take you through integration with third party tools for interaction with web apps It then moves on to show you how to use controllers and view models to generate reusable code that will reduce development time Toward the end of the book we will cover tests to properly execute the code and some popular frameworks for developing web applications By the end of the book you will have a running web application developed with MongoDB and Node js along with it s popular frameworks Style and approach An easy guide to Node js and MongoDB which will quickly introduce you to the relevant concepts by taking you through the different steps involved in building a full fledged web application   **Web Development with MongoDB and Node** Bruno Joseph D'mello,Mithun Satheesh,Jason Krol,2017-09-29 Use the two popular web development stacks Node js and MongoDB to build full featured web applications About This Book Learn the new ECMAScript along with Node 8 and MongoDB to make your application more effective Get the up to date information required to launch your first application prototype using the latest versions of Node js and MongoDB A practical guide with clear instructions to designing and developing a complete web application from start to finish using trending frameworks such as angular4 and hapi Who This Book Is For The book is designed for JavaScript

developers of any skill level who 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 prerequisite for this book What You Will Learn Work with Node js building blocks Write and configure a web server using Node js powered by the Express js framework Build dynamic HTML pages using the Handlebars template engine Persist application data using MongoDB and Mongoose ODM Test your code using automated testing tools such as the Mocha framework Automate test cases using Gulp Reduce your web development time by integrating third party tools for web interaction Deploy a development environment to the cloud using services such as Heroku Amazon Web Services and Microsoft Azure Explore single page application frameworks to take your web applications to the next level In Detail Node js builds fast scalable network applications while MongoDB is the perfect fit as a high performance open source NoSQL database solution The combination of these two technologies offers high performance and scalability and helps in building fast scalable network applications Together they provide the power for manage any form of data as well as speed of delivery This book will help you to get these two technologies working together to build web applications quickly and easily with effortless deployment to the cloud You will also learn about angular 4 which consumes pure JSON APOIs from a hapi server The book begins by setting up your development environment running you through the steps necessary to get the main application server up and running Then you will see how to use Node js to connect to a MongoDB database and perform data manipulations From here on the book will take you through integration with third party tools to interact with web apps You will see how to use controllers and view models to generate reusable code that will reduce development time Toward the end the book supplies tests to properly execute your code and take your skills to the next level with the most popular frameworks for developing web applications By the end of the book you will have a running web application developed with MongoDB Node js and some of the most powerful and popular frameworks Style and approach A practical guide with clear instructions to designing and developing a complete web application from start to finish   Node.js, MongoDB, and AngularJS Web Development Brad Dayley,2014-06-05 The definitive guide to building JavaScript based Web applications from server to browser Node js MongoDB and AngularJS are three new web development technologies that together provide an easy to implement fully integrated web development stack Node js is a leading server side programming environment MongoDB is the most popular NoSQL database and AngularJS is quickly becoming the leading framework for MVC based front end development Together they allow web programmers to create high performance sites and applications built completely in JavaScript from server to client Node js MongoDB and AngularJS Web Development is a complete guide for web programmers who want to integrate these three technologies into full working solutions It begins with concise crystal clear tutorials on each of the three technologies and then quickly moves on to building several common web applications Readers will learn how to use Node js and MongoDB to build more scalable high performance sites how to leverage AngularJS s innovative MVC approach to structure more effective pages and applications

and how to use all three together to deliver outstanding next generation Web solutions *Node.js, MongoDB and Angular Web Development* Brad Dayley,Brendan Dayley,Caleb Dayley,2017-10-11 Node js MongoDB and Angular Web Development The definitive guide to using the MEAN stack to build web applications Node js is a leading server side programming environment MongoDB is the most popular NoSQL database and Angular is the leading framework for MVC based front end development Together they provide an easy to implement fully integrated web development stack that allows web programmers to create high performance sites and applications built completely in JavaScript from server to client Updated for Angular 2 Angular 4 and subsequent versions this new edition of Node js MongoDB and Angular Web Development shows you how to integrate these three technologies into complete working solutions It begins with concise crystal clear tutorials on each technology and then quickly moves on to building common web applications You ll learn how to use Node js and MongoDB to build more scalable high performance sites how to leverage Angular s innovative MVC approach to structure more effective pages and applications and how to use all three together to deliver outstanding next generation Web solutions Implement a highly scalable and dynamic web server using Node js and Express Implement a MongoDB data store for your web applications Access and interact with MongoDB from Node js JavaScript code Learn the basics of TypeScript Define custom Angular directives that extend the HTML language Build server side web services in JavaScript Implement client side services that can interact with the Node js web server Build dynamic browser views that provide rich user interaction Add authenticated user accounts and nested comment components to your web applications and pages Contents at a Glance Part I Getting Started 1 Introducing the Node js to Angular Stack 2 JavaScript Primer Part II Learning Node js 3 Getting Started with Node js 4 Using Events Listeners Timers and Callbacks in Node js 5 Handling Data I O in Node js 6 Accessing the File System from Node js 7 Implementing HTTP Services in Node js 8 Implementing Socket Services in Node js 9 Scaling Applications Using Multiple Processors in Node js 10 Using Additional Node js Modules Part III Learning MongoDB 11 Understanding NoSQL and MongoDB 12 Getting Started with MongoDB 13 Getting Started with MongoDB and Node js 14 Manipulating MongoDB Documents from Node js 15 Accessing MongoDB from Node js 16 Using Mongoose for Structured Schema and Validation 17 Advanced MongoDB Concepts Part IV Using Express to Make Life Easier 18 Implementing Express in Node js 19 Implementing Express Middleware Part V Learning Angular 20 Jumping into TypeScript 21 Getting Started with Angular 22 Angular Components 23 Expressions 24 Data Binding 25 Built in Directives Part VI Advanced Angular 26 Custom Directives 27 Events and Change Detection 28 Implementing Angular Services in Web Applications 29 Creating Your Own Custom Angular Services 30 Having Fun with Angular **Full Stack Development with MongoDB** MANU SHARMA,2022-04-21 Learn Full Stack Development Frontend Backend APIs and Mobile App with Python PHP Node js React Native and MongoDB KEY FEATURES Covers full stack development from start to finish including frontend backend API and mobile app development Includes well known programming environments such as Node js React Native Python and PHP

Practical examples crisp code and detailed screenshots are provided for every chapter DESCRIPTION Full Stack Development with MongoDB and Scaling Your Expertise to Web and Mobile App Development is the goal of this book Starting with the basics the book will assist any programmer and developer and those who deal with NodeJS PHP Python and React Native in setting up their working environment with MongoDB Various full stack configurations of libraries and frameworks for mobile and web applications are covered in length in this book REST API CRUD operations are also explained in a detailed manner The skills you learn to use PHP ExpressJS NodeJS Python and React Native become increasingly solid as time goes on Everything in this book has been explained so that once you begin working on the practical development while reading it you will be more experienced in software development both in web and mobile technologies when you finish reading it WHAT YOU WILL LEARN Gain exposure to all of the fundamental concepts of Full Stack Development Run to perform PHP and MongoDB CRUD operations Learn how to build RESTFul APIs Acquire expertise with popular web technologies such as Node js Express js Python and Django Framework Work with React Native and develop mobile applications based on MongoDB WHO THIS BOOK IS FOR This book is for individuals interested in learning Full Stack Development with MongoDB and expanding their expertise to design web and mobile applications with MongoDB Readers with a working knowledge of MongoDB and any programming language can make maximum use of the book TABLE OF CONTENTS Full Stack development with MongoDB Software Development Basic Topics 1 Client and Server Side Concepts and Introduction to MongoDB Drivers 2 Data Addition using MongoDB Compass Full Stack development with MongoDB Software Development Intermediate Topics 3 Starting up Programming with MongoDB and PHP 4 Starting up Programming with MongoDB and JavaScript Node js 5 Starting up Programming with MongoDB and React Native 6 Starting up Programming with MongoDB and Python 7 Full Stack Development using MongoDB Full Stack Development with MongoDB Software Development Advanced Topics 8 MongoDB Step by Step Practical Application Development Using PHP 9 MongoDB Step by Step Practical Application Development Using JavaScript Node js with Express js 10 MongoDB Step by Step Practical Mobile App Development Using React Native 11 MongoDB Step by Step Practical Web Development Using Python *MEAN Web Development* Amos Q. Haviv,2016-11-30 Develop your real time MEAN application efficiently using a combination of MongoDB Express Angular and Node About This Book Construct a fully functional MEAN application by using its components along with the best third party modules Harness the power of the JavaScript ecosystem to effectively run build and test your MEAN application Gain a deep practical understanding of real time web application development through real world examples Who This Book Is For If you are a JavaScript developer who is interested in building modern web applications using MongoDB Express Angular 2 and Node 5 0 then this book is for you You only need knowledge of JavaScript development What You Will Learn Use MongoDB to store and retrieve your application s data Connect your Express application to MongoDB and use the Mongoose module Manage your users authentication and offer them diverse login options using

Passport Structure and use an Angular 2 application in your MEAN project Use Socket io to create real time communication between your client and server Test your application s Express and Angular 2 entities In Detail The MEAN stack is a collection of the most popular modern tools for web development that helps you build fast robust and maintainable web applications Starting with the MEAN core frameworks this pragmatic guide will explain the key concepts of each framework how to set them up properly and how to use popular modules to connect it all together By following the real world examples shown in this tutorial you will scaffold your MEAN application architecture add an authentication layer and develop an MVC structure to support your project development You will learn the best practices of maintaining clear and simple code and will see how to avoid common pitfalls Finally you will walk through the different tools and frameworks that will help expedite your daily development cycles Watch how your application development grows by learning from the only guide that is solely orientated towards building a full end to end real time application using the MEAN stack Style and approach This comprehensive guide covers every part of the MEAN stack and focuses on the gestalt power of the apps they can create through practical real world examples *Web Development with MongoDB and Node* Bruno Joseph D'Mello,Mithun Satheesh,Jason Krol,2017 **Beginning Node.js, Express & MongoDB Development** Greg Lim,2019-07-10 In this book we take you on a fun hands on and pragmatic journey to learning Node js Express and MongoDB development You ll start building your first Node js app within minutes Every chapter is written in a bite sized manner and straight to the point as I don t want to waste your time and most certainly mine on the content you don t need In the end you will have the skills to create a blog app and deploy it to the Internet In the course of this book we will cover Chapter 1 Introduction Chapter 2 Introduction to npm Express Chapter 3 Beginning our Blog Project Chapter 4 Templating Engines Chapter 5 Introduction to MongoDB Chapter 6 Applying MongoDB to our Project Chapter 7 Uploading an Image with Express Chapter 8 Introduction to Express Middleware Chapter 9 Refactoring to MVC Chapter 10 User Registration Chapter 11 User Authentication with Express Sessions Chapter 12 Showing Validation Errors Chapter 13 Relating Post Collection with User Collection Chapter 14 Adding a WYSIWYG Editor Chapter 15 Using MongoDB Atlas Chapter 16 Deploying Web Apps on Heroku The goal of this book is to teach you Node js Express and MongoDB development in a manageable way without overwhelming you We focus only on the essentials and cover the material in a hands on practice manner for you to code along About the Reader No previous knowledge on Node js development required but you should have basic programming knowledge About the Author Greg Lim is a technologist and author of several programming books Greg has many years in teaching programming in tertiary institutions and he places special emphasis on learning by doing **Accelerated Web Development with Svelte and Node JS** Maxwell Learning,2025-11-15 Node.js, MongoDB and Angular Web Development, 2nd Edition Brad Dayley,Brendan Dayley,Caleb Dayley,2017 Node js MongoDB and Angular Web Development The definitive guide to using the MEAN stack to build web applications Node js is a leading server side programming environment MongoDB is the most

popular NoSQL database and Angular is the leading framework for MVC based front end development Together they provide an easy to implement fully integrated web development stack that allows web programmers to create high performance sites and applications built completely in JavaScript from server to client Updated for Angular 2 Angular 4 and subsequent versions this new edition of Node js MongoDB and Angular Web Development shows you how to integrate these three technologies into complete working solutions It begins with concise crystal clear tutorials on each technology and then quickly moves on to building common web applications You ll learn how to use Node js and MongoDB to build more scalable high performance sites how to leverage Angular s innovative MVC approach to structure more effective pages and applications and how to use all three together to deliver outstanding next generation Web solutions Implement a highly scalable and dynamic web server using Node js and Express Implement a MongoDB data store for your web applications Access and interact with MongoDB from Node js JavaScript code Learn the basics of TypeScript Define custom Angular directives that extend the HTML language Build server side web services in JavaScript Implement client side services that can interact with the Node js web server Build dynamic browser views that provide rich user interaction Add authenticated user accounts and nested comment components to your web applications and pages Contents at a Glance Part I Getting Started 1 Introducing the Node js to Angular Stack 2 JavaScript Primer Part II Learning Node js 3 Getting Started with Node js 4 Using Events Listeners Timers and Callbacks in Node js 5 Handling Data I O in Node js 6 Accessing the File System from Node js 7 Implementing HTTP Services in Node js 8 Implementing Socket Services in Node js 9 Scaling Applications Using Multiple Processors in Node js 10 Using Additional Node js Modules Part III Learning MongoDB 11 Understanding NoSQL and MongoDB 12 Getting Started with MongoDB 13 Getting Started with MongoDB and Node js 14 Manipulating MongoDB Documents from Node js 15 Accessing MongoDB from Node js 16 Using Mongoose for Structured Schema and Validation 17 Advanced MongoDB Concepts Part IV   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   *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 apps Review virtually all setup and deployment step by step Work with Chat web mobile applications Put front end and back end components together and deploy them to production environment Who This Book Is For Programmers who want to learn more about effective JavaScript coding   Node.js, MongoDB and AngularJS Web Development LiveLessons Brad Dayley,2014 In this video training Brad Dayley starts by introducing the Node js platform He then introduces the NoSQL database MongoDB and describes how to configure and begin using it The video then moves into incorporating high performance MongoDB databases into server side Node js applications and scripts Next the Express web server module for Node js is covered giving you the understanding you need to easily build up your own scalable web servers The video then describes how to build out client side applications using the AngularJS JavaScript framework The video wraps up with some complete end to end examples of using the Node js MongoDB and AngularJS framework Resource description page   *Web Development with Node.js and MongoDB* Andrew Marcinkevičius,2016 Web development technology moves at a very fast pace with new tools and techniques being released daily It is impossible to learn them all but choosing similar technologies allows you to step up your game while developing web applications Web applications are often split into two parts the front end and the back end Using Node js for logic and MongoDB for persistence a single person can develop a real time web application in no time Node js is based on JavaScript which makes it easily adaptable for a wide variety of platforms It is also lightweight and handles a huge number of simultaneous connections Web Development with Node js and MongoDB will show you how to build powerful web applications from the ground up Starting with the simplest hello world based script and moving on to more and more advanced techniques this course will show you what is possible while building your application We ll begin with some of the basic concepts of Node js Express js and MongoDB and build on this knowledge with practical examples With each concept the application will get more powerful and you will be able to process any business logic you may need We will then learn about Express js to make web applications and MongoDB to persist your data Then you will find out how to build on the shoulders of giants by consuming a RESTful API or become a giant by serving your own API Later on you ll get to grips with automatically testing your application to make sure it is functioning properly At the end we will take a look at deploying our application and improving its performance The course closes with suggestions on further improvements that can be made to the application Resource description page   **Full Circle Magazine #91** Ronnie Tucker,2014-11-28 This month Command Conquer How To Python LibreOffice and Managing Multiple Passwords With A Script Graphics Inkscape Linux Labs Compiling a Kernel Pt 4 and Kodi Pt 2 Review Elementary OS Book Review Web Development with MongoDB and Node js Ubuntu Games Borderlands 2 plus News Arduino Q A and soooo much more   **Ultimate Node.js for Cross-Platform App Development** Ramesh Kumar ,2024-02-06 Unleash the Power of Node js for Building Enterprise Grade Scalable Server Side Applications KEY FEATURES Master the essentials of building real time applications with a focus on Node js Express js Mongoose Socket IO Winston

logging and key middleware Learn to create lightweight and scalable backend servers ensuring optimal performance for production ready applications Stay ahead of the curve by gaining proficiency in Node js positioning yourself for success in a rapidly evolving technological landscape Quick path to Node js expertise providing practical examples and insights to prepare you for the current and future demands of the tech landscape DESCRIPTION Unlock the full potential of Node js for modern web development with this comprehensive handbook to developing applications and services The book will cover the fundamentals to advanced techniques explore the intricacies of building powerful applications You will master Express server creation develop RESTful APIs with efficient routing and dive into MongoDB for seamless data persistence It will uncover the nuances of template engines middleware and robust authentication methods Leverage Socket IO for real time capabilities and adeptly handle errors with effective logging The projects will double as versatile boilerplates for kickstarting your own development endeavours In the later chapter you will learn Test Driven Development with Mocha gain insights into debugging and perfect the art of building and deploying Node js applications Each example in the book adheres to common best practices providing valuable insights to help you avoid common pitfalls Designed as both a learning resource and a reference guide this book equips you with the knowledge to tackle challenging problems at any stage of development WHAT WILL YOU LEARN Develop a robust Express server to streamline your development process Delve deep into creating RESTful APIs with efficient routing techniques Master the utilization of template engines to elevate your project sophistication Enhance your applications by incorporating middleware for extended capabilities Harness the power of Socket IO to add dynamism and interactivity to your projects Implement Test Driven Development TDD using Mocha to ensure code reliability Grasp the intricacies of constructing and deploying Node js applications effectively Explore the evolving landscape of Node js staying at the forefront of emerging web development trends WHO IS THIS BOOK FOR Perfect for beginners this book demystifies Node js offering a deep dive into its architecture and core concepts Loaded with practical examples it equips you with essential knowledge By the end you ll confidently build a live application on the Node js stack Basic familiarity with JavaScript and web applications is recommended before diving in TABLE OF CONTENTS 1 Getting Started with Node js 2 Deep Dive into Node js 3 Introducing Express js 4 Creating REST API and Routing 5 Working with MongoDB 6 Data Persistence 7 Template Engines 8 Middleware Functions 9 Authentication and Authorization 10 Socket IO 11 Handling and Logging Errors 12 TDD with Mocha and Chai 13 Debugging 14 Build and Deployments 15 Future Scope Index **Web Development with Node.js, MongoDB and Express** Joris Hermans,2017 Node js is the JavaScript runtime in the console Now you can use JavaScript outside the browser As a developer you need to know just one language to build an application for the World Wide Web In this course we teach you how to use Node js you will learn why Node js is very easy to work with Node js is also built for asynchronous programming With async functions now part of the JavaScript specification your code will look much better than before We will assist you with writing this kind of code One of the most used web framework in

Node js Express js will have no secret anymore for you We touch on all the basics to build a modern web application with Node js by using Express js With this course you will learn to build your own web application in Node js At the end of the course you will store search and manage data in MongoDB Resource description page **Full Stack JavaScript Development With MEAN** Colin J Ihrig,Adam Bretz,2014-12-24 With modern tools it is possible to create a production grade full stack application using HTML CSS and JavaScript alone The combination of MongoDB Express AngularJS and Node js has become so popular that it has earned the title MEAN stack the subject of this book This book explores the MEAN stack in detail We will begin by covering Node js as it will lay the groundwork for all of our server side work You will learn how to get Node running on your local machine as well as download modules using npm The key aspects of the Node js programming model will also be covered From there we will move on to MongoDB where you ll learn how to interact with Mongo from a Node application You will also learn how to create retrieve update and delete data from a Mongo store After you have a solid grasp on Node and Mongo the book will move on to the Express web server We ll cover the basics of Express applications via topics like routes and middleware Building on previous chapters we will cover the integration of Node Mongo and Express Our coverage of the MEAN stack will wrap up with several chapters on AngularJS These chapters will cover Angular fundamentals like data binding directives controllers routing and services In an effort to explore competing technologies a slight introduction to Ember js will also be provided Full stack JavaScript is not fully encompassed by the MEAN stack There is an entire ecosystem of JavaScript tools to learn about and this book will introduce a few of them We will cover task runners Gulp js and Grunt js which are extremely useful for automating mundane repetitive tasks We ll also cover JSHint a linting tool used to improve code quality Linting tools analyze source code and report potentials issues a feature that is especially useful in non compiled languages like JavaScript **Node.js Web Development For Beginners** Nathan Sebhastian,2024-04-25 Are you having trouble learning Node js Struggling to create a web application using Node js Node js Web Development For Beginners is the guide you need to learn Node js quickly and in the right order With this book you will see and know how to develop a working web application from scratch using Node js and Express Each chapter explains a topic in plain English and includes practical code examples There s also a full stack project included in this book that will give you the experience of building a web application using Node js Complete Source Code Included Most books didn t come with the source code leaving you discouraged and unable to follow along I believe you need to inspect and understand every part of the code used in this book That s why I share the source code with you integrated at the end of each chapter The source code is hosted on public repositories so you can revisit them whenever you need to refresh your memory or reinforce your understanding of specific topics What You ll Learn Understand how to use Node js as a web server Use Express as a web framework on top of Node js Connect MongoDB and Express in a secure and efficient way Creating view templates using EJS Develop applications using the MVC design pattern Style Node js application using Tailwind CSS

Implement User Authentication with Express sessions Deploying Node js application to production Apply the latest techniques and best practices in Node js development Who is this for Frontend developers who want to transition to full stack development Backend developers who want to add Node js to their skillsets Anyone who wants to be a skilled Node js developer The book is designed to be easy to understand and accessible to anyone looking to learn Node js It provides a step by step gentle guide that will help you understand how to use Node js to build a web application Plus I take extra time to make sure my book is engaging and fun so you will stay motivated Book Content In the contents of this book we will cover Chapter 1 Introduction to Node js Chapter 2 Your First Node js Project Chapter 3 Introduction to Express and Morgan Chapter 4 Using EJS Templating Engine for Views Chapter 5 Using Tailwind and DaisyUI for CSS Chapter 6 Creating a MongoDB Database Cluster Chapter 7 Integrating Mongoose to Express Chapter 8 Implementing the MVC Pattern Chapter 9 Developing User Authentication Chapter 10 Validating Form Inputs and Displaying Messages Chapter 11 Adding Login and Logout Functionalities Chapter 12 Protecting Routes With Middlewares Chapter 13 Create Read Update and Delete Customers Chapter 14 Handling Invoices Data Chapter 15 Using Chart js On the Dashboard Chapter 16 Adding the Search Feature Chapter 17 Deploying Node js Application The goal of this book is to help you see how to develop an application using Node js We focus only on the essentials and immediately start a project once we cover the basic Node js knowledge You will see how Node js Express and MongoDB can be used to create a dynamic and scalable web application Requirements No prior knowledge of Node js is required to get the full benefit of this book but you do need some basic knowledge of JavaScript Accelerate Your Coding Journey Stop wasting your precious time trying to connect incomplete tutorials from different sources Instead use this book and gain the Node js knowledge you need to excel today Here s my promise You will know how to develop web applications using Node js   **Full Stack FastAPI, React, and MongoDB** Marko Aleksendrić,Shrey Batra,Rachelle Palmer,Shubham Ranjan,2024-08-23 Boost your web developer potential and stay ahead in the fast paced web development and AI race with the flexibility adaptability and robustness of the FARM stack Key Features Learn the basics of MongoDB to be able to model any type of data Explore the powerful Python web development ecosystem with Pydantic and FastAPI Future proof your applications by integrating ChatGPT or other LLMs Purchase of the print or Kindle book includes a free PDF eBook Book Description Discover how to harness the power of the FARM stack FastAPI React and MongoDB to develop production ready web applications of varying complexity Written by a team of industry experts including MongoDB champions and product leaders this fast paced hands on guide equips beginners with essential skills to build web applications efficiently Introducing each element of the stack the book demonstrates how to seamlessly integrate them to create a medium sized web application You ll set up MongoDB as a document store construct a simple API with FastAPI and build an application using React The guide also covers enhancing application security through authentication and authorization with JSON Web Tokens Beyond mastering the stack you ll get to grips with integrating Large Language Models

like ChatGPT for advanced functionality such as automated email sending Additionally you ll learn how to make the most of Next js 14 a robust full stack framework offering improved developer experience By the end of the book you ll have created functional applications and gained the foundation to explore diverse and more specialized domains expanding your development horizons What you will learn Set up and manage MongoDB databases and collections and model data Leverage the power of FastAPI to write complex APIs using pure Python Create frontends of varying complexity with the React library Build and deploy robust and secure backends using FastAPI and MongoDB Ship production ready applications with Next js 14 applying your React and backend knowledge Integrate Large Language Models send emails and do much more with the flexible FARM stack Who this book is for The book is for intermediate web developers with basic JavaScript and Python knowledge who want to enhance their developer skills master a powerful and flexible stack and write better applications faster

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Web Development With Mongodb And Nodejs Introduction

In this digital age, the convenience of accessing information at our fingertips has become a necessity. Whether its research papers, eBooks, or user manuals, PDF files have become the preferred format for sharing and reading documents. However, the cost associated with purchasing PDF files can sometimes be a barrier for many individuals and organizations. Thankfully, there are numerous websites and platforms that allow users to download free PDF files legally. In this article, we will explore some of the best platforms to download free PDFs. One of the most popular platforms to download free PDF files is Project Gutenberg. This online library offers over 60,000 free eBooks that are in the public domain. From classic literature to historical documents, Project Gutenberg provides a wide range of PDF files that can be downloaded and enjoyed on various devices. The website is user-friendly and allows users to search for specific titles or browse through different categories. Another reliable platform for downloading Web Development With Mongodb And Nodejs free PDF files is Open Library. With its vast collection of over 1 million eBooks, Open Library has something for every reader. The website offers a seamless experience by providing options to borrow or download PDF files. Users simply need to create a free account to access this treasure trove of knowledge. Open Library also allows users to contribute by uploading and sharing their own PDF files, making it a collaborative platform for book enthusiasts. For those interested in academic resources, there are websites dedicated to providing free PDFs of research papers and scientific articles. One such website is Academia.edu, which allows researchers and scholars to share their work with a global audience. Users can download PDF files of research papers, theses, and dissertations covering a wide range of subjects. Academia.edu also provides a platform for discussions and networking within the academic community. When it comes to downloading Web Development With Mongodb And Nodejs free PDF files of magazines, brochures, and catalogs, Issuu is a popular choice. This digital publishing platform hosts a vast collection of publications from around the world. Users can search for specific titles or explore various categories and genres. Issuu offers a seamless reading experience with its user-friendly interface and allows users to download PDF files for offline reading. Apart from dedicated platforms, search engines also play a crucial role in finding free PDF files. Google, for instance, has an advanced search feature that allows users to filter results by file type. By specifying the file type as "PDF," users can find websites that offer free PDF downloads on a specific topic. While downloading Web Development With

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