Open Source Linux Web Programming

Almost every organization seeks a simple means of managing, publishing and/or providing searchable web access to information. Written by a knowledgeable web developer, this book demonstrates the simplicity, cost-effectiveness, and versatility of designing database driven web applications with Open Source resources. Case studies of 'real world' implementations address both theoretical aspects and practical considerations of developing applications with the easy-to-use PHP scripting language and powerful MySQL relational database. Project organization and design issues are considered along with basic coding examples, accessibility standards and implementation advice. Introduces popular Open Source database tools (MySQL/PHP) and basic development skills, bringing database driven technology within the reach of any web developer Explores strategies for improving content management, web publishing and information access Uses non-technical language and presents seven university library web database case studies

Offers tips and techniques for optimizing website performance by configuring front-end performance related to the web browser and the back-end for speeding up the communication between the server and the browser.

Even Grues Get Full is the fourth collection of the hit geek comic strip User Friendly by J.D. "Illiad" Frazer. Written with fresh, dry humor and an amusing vividness that brings the cast of characters to life, the comic strip is loved and read by millions around the world, from professional technologists to eight-year old wunderkinds, from 83-year old grandmothers who miss their Commodore 64s to patient spouses of born programmers. The comic strip is packed with references to geek interests, from obscure movies to old computer games, yet non-geeks are able to enjoy the story lines and character quirks, from Erwin's acerbic humor to Miranda's constant angst; from the Smiling Man's Machiavellian machinations to A.J.'s dysfunctional naïveté. At the center of this lies Dust Puppy, the strip's gentle-hearted mascot and the character who has endeared himself to readers everywhere. In this book, join the antics of the characters once again as Stef contends with an enormous Tequila worm, Mike is tormented by Mr. Cola, and the techs move shop into an abandoned missile silo! Also included in this collection are the 9/11 tribute cartoons that were widely praised for their clear and simple pathos. Called "Dilbert for Geeks" by Wired magazine and considered to be one of the few consistently intelligent and socially aware cartoons on the 'Net, User Friendly remains one of the most popular destinations for geeks and non-geeks alike. This book is a sure hit with anyone who works with computers or for anyone who lives with someone who works with computers!

You may be contemplating your first Linux installation. Or you may have been using Linux for years and need to know more about adding a network printer or setting up an FTP server. Running Linux, now in its fifth edition, is the book you'll want on hand in either case. Widely recognized in the Linux community as the ultimate getting-started and problem-solving book, it answers the questions and tackles the configuration issues that frequently plague users, but are seldom addressed in other books. This fifth edition of Running Linux is greatly expanded, reflecting the maturity of the operating system and the teeming wealth of software available for it. Hot consumer topics suchas audio and video playback applications, groupware functionality, and spam filtering are covered, along with the basics in configuration and management that always have made the book popular. Running Linux covers basic communications such as mail, web surfing, and instant messaging, but also delves into the subtleties of network configuration--including dial-up, ADSL, and cable modems--in case you need to set up your network manually. The book canmake you proficient on office suites and personal productivity applications--and also tells you what programming tools are available if you're interested in contributing to these applications. Other new topics in the fifth edition include encrypted email and filesystems, advanced shell techniques, and remote login applications. Classic discussions on booting, package management, kernel recompilation, and X configuration have also been updated. The authors of Running Linux have anticipated problem areas, selected stable and popular solutions, and provided clear instructions to ensure that you'll have a satisfying experience using Linux. The discussion is direct and complete enough to guide novice users, while still providing the additional information experienced users will need to progress in their mastery of Linux. Whether you're using Linux on a home workstation or maintaining a network server, Running Linux will provide expert advice just when you need it.

This IBM® Redbooks® publication describes how to create your own Linux® virtual servers on IBM System z® hardware under z/VM®. It adopts a cookbook format that provides a concise, repeatable set of procedures for installing and configuring z/VM in an LPAR and then installing and customizing Linux. You need an IBM System z logical partition (LPAR) with associated resources, z/VM 6.1 media, and SLES 11 SP1 Linux for System z. This book assumes that you have a general familiarity with System z technology and terminology. It does not assume an in-depth understanding of z/VM and Linux. It is written for those who want to get a quick start with z/VM and Linux on the mainframe.

Rischpater's second edition has new coverage of HTML, WAP 2.0, XML, Palm's WCA and iMode in detail and improves the text of the first edition with time-tested information.

Open source provides the competitive advantage in the Internet Age. According to the August Forrester Report, 56 percent of IT managers interviewed at Global 2,500 companies are already using some type of open source software in their infrastructure and another 6 percent will install it in the next two years. This revolutionary model for collaborative software development is being embraced and studied by many of the biggest players in the high-tech industry, from Sun Microsystems to IBM to Intel.The Cathedral & the Bazaar is a must for anyone who cares about the future of the computer industry or the dynamics of the information economy. Already, billions of dollars have been made and lost based on the ideas in this book. Its conclusions will be studied, debated, and implemented for years to come. According to Bob Young, "This is Eric Raymond's great contribution to the success of the open source revolution, to the adoption of Linux-based operating systems, and to the success of open source users and the companies that supply them."The interest in open source software development has grown enormously in the past year. This revised and expanded paperback edition includes new material on open source developments in 1999 and 2000. Raymond's clear and effective writing style accurately describing the benefits of open source software has been key to its success. With major vendors creating acceptance for open source within companies, independent vendors will become the open source story in 2001.

Take full creative control of your web applications with Flask, the Python-based microframework. With the second edition of this hands-on book, you'll learn the framework from the ground up by developing, step-by-step, a real-world project created by author Miguel Grinberg. This refreshed edition accounts for important technology changes that have occurred in the past three years. You'll learn the framework's core functionality, as well as how to extend applications with advanced web techniques such as

database migration and web service communication. The first part of each chapter provides you with reference and background for the topic in question, while the second part guides you though a hands-on implementation of the topic. If you have Python experience, this book shows you how to take advantage of the creative freedom Flask provides.

Web Programming for Business: PHP Object-Oriented Programming with Oracle focuses on fundamental PHP coding, giving students practical, enduring skills to solve data and technical problems in business. Using Oracle as the backend database, the book is version-neutral, teaching students code that will still work even with changes to PHP and Oracle. The code is clean, clearly explained and solutions-oriented, allowing students to understand how technologies such as XML, RSS or AJAX can be leveraged in business applications. The book is fully illustrated with examples, and includes chapters on: Database functionality Security programming Transformation programming to move data Powerpoint slides, applied exam questions, and the raw code for all examples are available on a companion website. This book offers an innovative approach that allows anyone with basic SQL and HTML skills to learn PHP object-oriented programming.

This volume details the wider use of Linux. It provides a table at the front of each chapter to enumerate the software discussed in that chapter, which of the seven major Linux distributions include each package and and the URLs of the software's home page and download page.

Bruce Kogut's writing has sketched a theory of human motivation that sees managers as social, often altruistic, sometimes as selfish, who care about their colleagues and their status among them. For the first time this book collects together key pieces that show how this view works in application to practical managerial issues, such as technology transfer and licensing, joint ventures as options, and the diffusion of ideas and best practices in the world economy. In an extensive introduction to these chapters, Kogut grounds this view in recent work in neurosciences and behavioural experiments in human sociality. On this basis, he provides a critique of leading schools of thought in management, including the resource based view of the firm cognition, and experimental economics. He proposes that people are hardwired to learn social norms and to develop identities that conform to social categories. This foundation supports a concept of coordination among people that is inscribed in social communities. It is this concept that leads to a theory of the firm as derived from social knowledge and shared identities. Kogut argues that the resource based view of the firm is only a view and it fails as a theory because it lacks a behavioural foundation. If it were to choose one, the choice would be between knowledge and organizational economics. Similarly, he argues that recent statements regarding cognition do not confront the age-old question of shared templates. If it did, it too would have to confront a theory of social knowledge. The author then proposes that this foundation is essential to an understanding of norms and institutions as well. Thus, we are moving into a period in which rapid advances in neuroscience increasingly lead to an integrated foundation for the social sciences. This opening chapter is the gateway to the collected essays, which assemble the author's published articles on knowledge, options, and institutions. The book ends on the most recent work on open source software and generating rules. The chapter on open source discusses how new technology is changing the face of innovation. The final article on generating rules is the segue to the author's current work that looks at how simple rules of social exchange leads to complex patterns of local and global knowledge.

Freely available source code, with contributions from thousands of programmers around the world: this is the spirit of the software revolution known as Open Source. Open Source has grabbed the computer industry's attention. Netscape has opened the source code to Mozilla; IBM supports Apache; major database vendors haved ported their products to Linux. As enterprises realize the power of the open-source development model, Open Source is becoming a viable mainstream alternative to commercial software.Now in Open Sources, leaders of Open Source come together for the first time to discuss the new vision of the software industry they have created. The essays in this volume offer insight into how the Open Source movement works, why it succeeds, and where it is going.For programmers who have labored on open-source projects, Open Sources is the new gospel: a powerful vision from the movement's spiritual leaders. For businesses integrating open-source software into their enterprise, Open Sources reveals the mysteries of how open development builds better software, and how businesses can leverage freely available software for a competitive business advantage.The contributors here have been the leaders in the open-source arena: Brian Behlendorf (Apache) Kirk McKusick (Berkeley Unix) Tim O'Reilly (Publisher, O'Reilly & Associates) Bruce Perens (Debian Project, Open Source Initiative) Tom Paquin and Jim Hamerly (mozilla.org, Netscape) Eric Raymond (Open Source Initiative) Richard Stallman (GNU, Free Software Foundation, Emacs) Michael Tiemann (Cygnus Solutions) Linus Torvalds (Linux) Paul Vixie (Bind) Larry Wall (Perl) This book explains why the majority of the Internet's servers use open- source technologies for everything from the operating system to Web serving and email. Key technology products developed with open-source software have overtaken and surpassed the commercial efforts of billion dollar companies like Microsoft and IBM to dominate software markets. Learn the inside story of what led Netscape to decide to release its source code using the open-source mode. Learn how Cygnus Solutions builds the world's best compilers by sharing the source code. Learn why venture capitalists are eagerly watching Red Hat Software, a company that gives its key product -- Linux -- away.For the first time in print, this book presents the story of the open- source phenomenon told by the people who created this movement.Open Sources will bring you into the world of free software and show you the revolution.

The Web Development Glossary is probably the largest of its kind. With more than 2,000 terms and explanations it acquaints and reunites you with the major standards and concepts of the Web, with HTML, CSS, JavaScript, accessibility, security, performance, code quality, internationalization, localization, editors and tooling and more. The glossary then goes beyond web development, touching on computer science, design, typography, usability and user experience, information as well as project management, other disciplines of interest and relevance to the modern developer. It goes beyond, inspiring the curiosity to learn more about the Web and the people creating and using it. And still it is a glossary, of a couple of thousand terms for developers, leaning on (and giving back to) Wikipedia and the MDN Web Docs. ? This is the book if you choose to extend and validate your web and software development knowledge.

Whether you are building a personal blog or a corporate website, there is a lot more to web design than div's and CSS selectors, but what do you really need to know? With this book, you'll learn the secrets of designing effective, user-friendly sites, fro

"This book covers strategies on using and evaluating open source products for online teaching and learning systems"--Provided by publisher.

Two authors demonstrate techniques for controlling flash web front ends with data from database repositories.

As opposed to back-end web development which deals with servers, front-end web development focuses on the end users' interactions with a website on a browser. A skillful front-end web developer knows more than just the basics of HTML, CSS and JavaScript. Going beyond the major web-based languages, this book represents an attempt to compile all the knowledge needed to become a professional front-end web developer. The reader will be introduced to more than 200 web extensions, frameworks, tools, and libraries, along with a complete illustration of all Web APIs known to the world today. Overview: Chapter 1: Development Environments Chapter 2: HTML 5.2 Chapter 3: Bootstrap 5 Chapter 4: CSS 3 Chapter 5: SEO Chapter 6: Cordova Chapter 7: SVG Chapter 8: ECMAScript 2020 / ES11 Chapter 9: HTML DOM Chapter 10: Advanced Web APIs Chapter 11: jQuery 3.5 Chapter 12: Extensions and Tools Chapter 13: Canvas Chapter 14: WebGL ** special note: this book partially overlaps with two books by the same author: 1) Web Coding Bible (18 Books in 1) 2) An Effective Guide to Modern JavaScript (ECMAScript 2017 / ES8)

Open source innovation has given rise to many valuable tools and technologies, including some of the most powerful and popular web development tools available. LAMP technologies (that is, Linux-Apache-MySQL-Perl/PHP/Python) provide a great application development platform, especially for robust web applications that run on Linux servers. Solid, reliable, and affordable, it's no wonder that LAMP is the platform of choice for web development. For years, O'Reilly's bestselling LAMP books have helped programmers master the finer points of these open source tools. Now we're offering six top titles on one CD to give programmers the tools they need to develop their own systems and get started with open source web development using LAMP technologies. "The Linux Web Server CD Bookshelf, 2nd Edition, delivers more than 3,600 pages of easily searchable information in a convenient format accessible from any web browser. You'll find the latest editions of these books: "Linux in a Nutshell, 4th edition "Running Linux, 4th edition "Apache: The Definitive Guide, 3rd edition "Programming PHP "Managing & Using MySQL, 2nd edition "Practical mod_perl As a bonus, the paperback version of "Linux in a Nutshell, 4th Edition, is included as well. For the first time, this CD Bookshelf also includes valuable content straight from the O'Reilly Network. Some of the topics covered are: Cache Friendly Web, The Apache Toolbox, MySQL Best Practices, Internationalization and Localization with PHP, Choosing a Templating System, PostgreSQL's Multi-Version Concurrency Control, Embedded Linux, and more. No one knows LAMP like O'Reilly. If you're a developer, you probably count on theO'Reilly affiliates Apacheweek.com, MySQL.com, and Perl.com, as valuable sources of information, as well as the great Apache, MySQL, PHP and Python content found on the O'Reilly Network. We're advocates of LAMP and use it extensively on the O'Reilly Network. If you want to get the most out of these important tools, then "The Linux Web Server CD Bookshelf delivers an entire library of expert knowledge to your computer desktop. Web development is a field which can pay you a lot if you are interested in taking it seriously. At present the number of web sites on the web is in millions. Thus website development can be used as a tool to make money online these days. A lot of people tend to confuse web design with web development, but there is a huge difference between the two. While web design mainly pertains to the design elements of a website, web development encompasses a lot more. It includes web design, but also includes web content development, client and server side scripting, server and configurations security as well as e-commerce application. This book gives you a guidance to simple web development using HTML, PHP, MySQL and AJAX.

The practical AJAX application book from an open source perspective.

Two leading Linux developers show how to choose the best tools for your specific needs and integrate them into a complete development environment that maximizes your effectiveness in any project, no matter how large or complex. Includes research, requirements, coding, debugging, deployment, maintenance and beyond, choosing and implementing editors, compilers, assemblers, debuggers, version control systems, utilities, using Linux Standard Base to deliver applications that run reliably on a wide range of Linux systems, comparing Java development options for Linux platforms, using Linux in cross-platform and embedded development environments.

Annotation The authoritative guide to developing web applications with PHP on the Microsoft Windows platform. This book covers PHP from installation all the way up to developing PHP applications with the Active Directory and .NET. Uniquely teaches developers how to optimize PHP for the Windows platform and how to work with PHP and Windows Enterprise technologies. This book gets readers up and running in no time with its examples. Readers can directly apply the examples to their own web sites. PHP Programming for Windows is the first book of its kind to offer a Windows centric stance on PHP with the intermediate to advanced audience in mind. This book covers PHP from the ground up and benefits both those new to PHP to PHP experts. The book covers new ground like using PHP with Windows databases such as Access and SQL Server plus other topics such as the Microsoft SOAP SDK and using PHP with the Active Directory. Andrew Stopford has been developing and writing about web application development since 1996 and has been working with PHP on the Windows platform for the last 3 years. Andrew has been published in web development magazines and journals worldwide and across the web for sites such as ASP Today and Zend.com. He is currently a senior developer with RDi, building web applications for a wide range of blue-chip clients.

This is eight lessons written for course materials for the Web Development Strategy Class. This book is a summary of what is taught in the course. Subject material covers Content Management Systems and websites, detailed Search Engine Optimization techniques, how to make money selling advertising on your website, social media integration and creation, and many suggestions on utilizing your work flow.

The implementation of stored procedures in MySQL 5.0 a hugemilestone -- one that is expected to lead to widespread enterprise adoption ofthe already extremely popular MySQL database. If you are serious aboutbuilding the web-based database applications of the future, you need toget up to speed quickly on how stored procedures work -- and how tobuild them the right way. This book, destined to be the bible of storedprocedure development, is a resource that no real MySQL programmer canafford to do without. In the decade since MySQL burst on the scene, it has become thedominant

open source database, with capabilities and performancerivaling those of commercial RDBMS offerings like Oracle and SQLServer. Along with Linux and PHP, MySQL is at the heart of millions ofapplications. And now, with support for stored procedures, functions,and triggers in MySQL 5.0, MySQL offers the programming power neededfor true enterprise use. MySQL's new procedural language has a straightforward syntax, making iteasy to write simple programs. But it's not so easy to write secure,easily maintained, high-performance, and bug-free programs. Few in theMySQL world have substantial experience yet with stored procedures, butGuy Harrison and Steven Feuerstein have decades of combined expertise. In MySQL Stored Procedure Programming, they putthat hard-won experience to good use. Packed with code examples and coveringeverything from language basics to application building to advancedtuning and best practices, this highly readable book is the one-stopguide to MySQL development. It consists of four major sections: MySQL stored programming fundamentals -- tutorial, basicstatements, SQL in stored programs, and error handling Building MySQL stored programs -- transaction handling,built-in functions, stored functions, and triggers MySQL stored programs in applications -- using storedprograms with PHP, Java, Perl, Python, and .NET (C# and VB.NET) Optimizing MySQL stored programs -- security, basic andadvanced SQL tuning, optimizing stored program code, and programmingbest practices A companion web site contains many thousands of lines of code, that youcan put to use immediately. Guy Harrison is Chief Architect of Database Solutions at Quest Softwareand a frequent speaker and writer on MySQL topics. Steven Feuerstein isthe author of Oracle PL/SQL Programming, the classic reference for Oracle stored programming for more than ten years. Both have decades of experience as database developers, and between them they have authored a dozen books.

This book adopts a policy-based approach toward internet governance. It broadens the definition of internet governance and reintroduces the question of who governs the actual activity that occurs on the Internet by examining the policy process affecting the Internet's infrastructure, technical protocols, software applications, and content.

Helps learn how to combine different technologies to create sophisticated, database-driven Web sites. This book allows readers to gain the programming knowledge needed to build a database-driven Web site using a step-by-step approach. It explains each stage of Web site development - from installation to production of the site.

Demonstrates the creation of e-commerce sites, human resources sites, and corporate data sites using 3-tier Web applications, distributed architecture, and object-oriented programming

This book analyses quantitative open source software (OSS) reliability assessment and its applications, focusing on three major topic areas: the Fundamentals of OSS Quality/Reliability Measurement and Assessment; the Practical Applications of OSS Reliability Modelling; and Recent Developments in OSS Reliability Modelling. Offering an ideal reference guide for graduate students and researchers in reliability for open source software (OSS) and modelling, the book introduces several methods of reliability assessment for OSS including component-oriented reliability analysis based on analytic hierarchy process (AHP), analytic network process (ANP), and non-homogeneous Poisson process (NHPP) models, the stochastic differential equation models and hazard rate models. These measurement and management technologies are essential to producing and maintaining quality/reliable systems using OSS.

In 2004/5, over half of IT professionals will be looking at open source, most for the first time. This book provides key tools for System administrators, Network Administrators, IT project managers, and consultants who must evaluate and deploy open source software. This book details open source successes so far, explains which scenarios are the most realistic opportunities now, then gives the details needed to select these solutions, adopt the best tools and practices, introduce them to an organization, implement and manage them. The IT professional can use this book to review opportunities in their organization, evaluate components such as Apache, Linux, and OpenOffice against systems they know, and follow up in detail on their specific interests here and through referred resources. *Deployment scenarios categorized by function and industry *Rules of thumb on where and when open source software is or is not the right choice *Roadmaps for deployment in terms of the components of open source Provides information on using open source software in a Windows system.

This book is aimed at the practicing programmer seeking to use Python and Linux to rapidly develop web and enterprise services. Will be especially important to those involved in e-commerce programming.

This update to a Wrox bestseller dives in and guides the reader through the entire process of creating dynamic, data-driven sites using the open source "AMP" model: Apache Web server, the MySQL database system, and the PHP scripting language. The team of expert authors covers PHP scripting, database management, security, integration, and e-commerce functions and comes complete with a useful syntax reference. Showcases three fully functional Web site examples, with implementations for both Windows and Linux, that readers can incorporate into their own projects Updates include a new chapter on PHP5 features and functions, a new example Web site application, and updates to PHP5 throughout the text

Free Open Source Software have been growing enormously in the field of information technology. Open Source Software (OSS) is a software whose source code is accessible for alteration or enrichment by other programmers. This book gives a detailed analysis of open source software and their fundamentals, and so is meant for the beginners who want to learn and write programs using Open Source Software. It also educates on how to download and instal these open source free software in the system.The topics covered in the book broadly aims to develop familiar Open Source Software (OSS) associated with database, web portal and scientific application development. Software platforms like, Android, MySQL, PHP, Python, PERL, Grid Computing, and Open Source Cloud, and their applications are explained through various examples and programs. The platforms like OSS and Linux are also introduced in the book. Recapitulation given at the end of each chapter enables the readers to take a quick revision of the topics. Numerous examples in the form of programs are given to enable the students to understand the theoretical concepts and their applicative knowledge. The book is an introductory textbook on Open Source Software (OSS) for the undergraduate students of Computer Science Engineering (CSE) and postgraduate students of Computer Application (MCA). Salient Features The procedure for installing software (Linux, Android, PHP, MySQL, Perl, and Python) both in Linux and Windows operating systems are discussed in the book.• Numerous worked out example programs are introduced.• Inclusion of several questions drawn from previous question papers in chapter-end exercises.

Presents an overview of LAMP and Open Source technologies to build Web applications.

What is this book about? Professional Red Hat Enterprise Linux 3 is a complete professional guide to setting up, configuring, and deploying Red Hat Enterprise Linux in the corporate production environment. The book focuses on Enterprise Server and Advanced Server features,

including the key areas of high availability with the Red Hat Cluster Suite, Red Hat Network Control Center, and Red Hat Enterprise applications such as the Content Management System and portal server. Other key unique features include kernel tuning for various performance profiles; advanced Apache configuration; Tux installation/maintenance; building high-performance FTP servers; building high-performance mail servers (which means replacing Sendmail); Mailing list management; how to efficiently add, remove, or modify 100 users at the same time; and a discussion of disk quota management and monitoring. What does this book cover? The key features of the book include the following: How to install and setup RHEL 3 How to deploy RHEL 3 in production environment How to manage an RHEL system using Perl and shell scripting Advanced administration tools How to use Red Hat network service Details on installation and setup of security tools Ability to use and deploy High Availability solutions provided with RHEL 3 Performance tuning How to use monitoring tools Ability to use RHEL to provide scalable infrastructure solutions.

Combines language tutorials with application design advice to cover the PHP server-side scripting language and the MySQL database engine.

Linux Web Server Development will teach you how to build a Linux Web server from scratch using Free/Open Source programs. The only requirement is a computer with an Internet connection. You will learn how to: * download and set up a Cherokee Web server * configure your router and Operating System * register and configure a Dynamic Domain Name using DDNS* build a database-enabled site for querying a MySQL database* use (and even develop) online network tools * run multiple sites with Cherokee Virtual Servers simultaneously * perform common Web server administrative tasks* develop HTML and PHP sites * test your server remotely* set up your firewall* use Linux networking tools

Master Functional Programming techniques with this comprehensive guide for writing cleaner, safer, high-performing JavaScript codes About This Book Become proficient and skilled with Functional Programming in JavaScript to solve real-world development problems Successfully apply Functional Programming concepts and techniques to everyday JavaScript programming Bring modularity, reusability, testability, and performance to your web apps Who This Book Is For If you are a JavaScript developer and want to apply functional programming techniques, then this book is for you. Only a basic knowledge of the concepts of functional programming is required for this book. What You Will Learn Create more reliable code with closures and immutable data Convert existing methods into pure functions, and loops into recursive methods Develop more powerful applications with currying and function composition Separate the logic of your system from implementation details Implement composition and chaining techniques to simplify coding Use functional programming techniques where it makes the most sense In Detail Functional programming is a programming paradigm for developing software using functions. Learning to use functional programming is a good way to write more concise code, with greater concurrency and performance. The JavaScript language is particularly suited to functional programming. This book provides comprehensive coverage of the major topics in functional programming with JavaScript to produce shorter, clearer, and testable programs. You'll delve into functional programming; including writing and testing pure functions, reducing side-effects, and other features to make your applications functional in nature. Specifically, we'll explore techniques to simplify coding, apply recursion for loopless coding, learn ways to achieve immutability, implement design patterns, and work with data types. By the end of this book, you'll have developed the JavaScript skills you need to program functional applications with confidence. Style and approach This book takes an easy-to-follow, step-by-step tutorial approach. You will make the most of JavaScript programming with a focus on the progression of functional programming techniques, styles, and detailed information about JavaScript libraries.

Kickstart your programming career with a robust web development environment setup About This Video Learn how to create the ideal web development environment Get to grips with the installation process for every tool Clone a repository on an Ubuntu machine and push changes to Bitbucket In Detail Ubuntu is an open source Linux operating system used by many web programmers and developers around the world. If you're a programmer and are looking to install a wide variety of software and tools to set up a robust development environment to ensure productivity and efficiency, this hands-on course will help you get started. You'll start by setting up a virtual machine with the Ubuntu Operating System and updating Ubuntu. Next, you'll delve into various technologies, tools, and software environments such as Chrome, Oracle JRE and JDK, the Python Development Environment, and the Django Environment. Later, you'll also get up to speed with creating a Bitbucket account and a repository. By the end of this course, you will have learned how to confidently set up the right development environments in a variety of scenarios.

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