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Computer Jobs & Certifications Choose & Improve Your IT Career - Dr. Mansoor Al-Aali 2013-11-01

This book is an excellent choice for any person working in the field of IT or studying for an IT or IT related degree. This book will guide you through all available choices of computer jobs, computer certifications and guide you through the interviewing process. For companies employing IT professionals, this book will provide them with a guide for the different computer jobs descriptions and what professional certifications are required from their employees. This book is the first of its kind to present detailed and valuable information about IT jobs and their corresponding certifications. We believe that all IT professionals, employment agencies and companies offering IT jobs would benefit from this book.

Managing the Lifecycle of Open Innovation Platforms - Stefan H. Hallerstede 2013-05-13

Innovations are a critical success factor for organizations to survive. Nowadays possibilities of information and communication technologies facilitate the use of IT-based tools for the integration of external

innovators into the innovation process of organizations. These tools, like innovation communities, innovation contests, innovation toolkits, and innovation market places, are subsumed under the term open innovation platforms (OIPs). The skills required to design and manage OIPs differ significantly from those for a default website. Hence, typical lifecycle models cannot be applied. Stefan Hallerstede addresses this gap and develops a dedicated lifecycle management approach for OIPs. In doing so, information systems and open innovation literature are merged as well as the major players in the market are introduced. He builds on three in-depth cases of professional OIP lifecycle management, and compiles guidelines for managing each phase of an OIP's lifecycle. Thereby, challenges in the lifecycle of OIPs are identified and mechanisms to overcome them are developed. Concluding, Stefan Hallerstede provides important insights for all, who are interested in, involved in, or designers and managers of open innovation platforms. **The Practice of System and Network Administration** - Thomas A. Limoncelli 2007

Shares the six key principles of site design and support practices:

simplicity, clarity, generality, automation, communication, and basics first. This book provides advice on topics which include the key elements your networks/systems need that will make all other services run better, and building and running reliable, scalable services.

Web 2.0 Heroes - Bradley Jones 2008-04-14

Max Mancini : eBay -- Alan Meckler : Internet.com -- Eric Engleman : Bloglines -- Gina Bianchini : Ning -- Dorion Carroll : Technorati -- Raju Vegesna : Zoho -- Richard MacManus : Read/write Web & Web 2.0 Workgroup -- TJ Kang : Thinkfree -- Patrick Crane : LinkedIn -- Shaun Walker : DotNetNuke -- Biz Stone : Twitter -- Seth Sternberg : Meebo -- Joshua Schachter : del.icio.us -- Ranjith Kumaran : YouSendIt -- Garrett Camp : StumbleUpon -- Rodrigo Madanes : Skype -- Rod Smith : IBM Corporation -- Tim Harris : Microsoft Corporation -- Bob Brewin & Tim Bray : Sun Microsystems -- Michele Turner : Adobe Systems Incorporated
Open Source Web Development with LAMP - James Lee 2003

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

Pro Node.js for Developers - Colin J. Ihrig 2014-01-18

Since it's creation in 2009, Node.js has grown into a powerful and increasingly popular asynchronous-development framework for creating highly-scalable network applications using JavaScript. Respected companies such as Dow Jones and LinkedIn are among the many organizations to have seen Node's potential and adopted it into their businesses. *Pro Node.js for Developers* provides a comprehensive guide to this exciting new technology. We introduce you to Node - what it is, why it matters and how to set it up - before diving deeply into the key concepts and APIs that underpin its operation. Building upon your existing JavaScript skills you'll be shown how to use Node.js to build both Web- and Network-based applications, to deal with data sources, capture events and deal with child processes to create robust applications that will work well in a wide range of circumstances. Once you've mastered these skills we'll go further, teaching you more advanced software engineering skills that will give your code a professional edge. You'll learn how to create easily reusable modules that will save you time

through code reuse, to log and debug your applications quickly and effectively and to write code that will scale easily and reliably as the demand for your application grows.

Professional LAMP - Jason Gerner 2005-12-13

The combination of Linux, Apache, MySQL, and PHP is popular because of interaction, flexibility, customization, and-most importantly-the cost effectiveness of its components Helps LAMP professionals take their skills to the next level with in-depth discussions of OOP; extensions of PHP such as PEAR, GD, XML, and CURL; improving site security; and advanced tools available to the coder Those proficient in other languages such as Java, C++, Perl and ASP will find this guide invaluable when transitioning to the LAMP environment The Web site includes sample scripts created in the course of each chapter, and several applications that can be modified and reused

Professional Heroku Programming - Chris Kemp 2013-01-22

A complete guide to building and deploying web apps with Heroku A cloud application platform, Heroku is currently the only approved platform for creating apps within Facebook, and its number of users is growing at rapid pace. However, there are very few books on the market that offer professional-level coverage of this platform, until now. The author duo begins with an introduction to the Heroku platform and its associated core concepts and then goes on to explain how writing for this platform differs from that of traditional development systems. Example applications, additional resources, and advice for your next steps round out this resource, making it a thorough, indispensable guide. Features information not found anywhere else, as both authors work for Heroku Explains the inner workings of Heroku with special emphasis placed on building web and mobile applications Introduces GIT-based development workflow and the process model within the Heroku platform Details coding, building, deploying, and scaling effectively using the Heroku tool base Providing you with fully functional code and downloadable code examples, *Professional Heroku Programming* is your complete guide to mastering this platform.

Professional Blogging For Dummies - Susan J. Getgood 2010-07-26

Take your hobby to the next level and turn your blog into real income
Anyone who blogs knows that it is a fun, creative way for sharing thoughts and opinions. Now imagine making money from that hobby! This practical, how-to guide shows you how you can get serious about using your blog and implement advertising, sponsorship, partnerships, and affiliate marketing options to turn your hobby into extra income, or even a full-time career. Helpful examples and featured articles with topic experts and bloggers who have built successful business demonstrate how to promote your business or build a blog-based business. Discusses finding your niche, adhering to legal considerations, establishing your disclosure and privacy policies, and dealing responsibly with review requests Introduces ideas for advertising and other monetization options and recommends promotional avenues to explore Suggests creative ways to keep your blog fresh, unique, and interesting Provides tips for monitoring and measuring your success Professional Blogging For Dummies opens the door to a world of money-making blogging possibilities!

Learning PHP, MySQL, JavaScript, and CSS - Robin Nixon 2012-08-27
Learn how to build interactive, data-driven websites—even if you don't have any previous programming experience. If you know how to build static sites with HTML, this popular guide will help you tackle dynamic web programming. You'll get a thorough grounding in today's core open source technologies: PHP, MySQL, JavaScript, and CSS. Explore each technology separately, learn how to combine them, and pick up valuable web programming concepts along the way, including objects, XHTML, cookies, and session management. This book provides review questions in each chapter to help you apply what you've learned. Learn PHP essentials and the basics of object-oriented programming Master MySQL, from database structure to complex queries Create web pages with PHP and MySQL by integrating forms and other HTML features Learn JavaScript fundamentals, from functions and event handling to accessing the Document Object Model Pick up CSS basics for formatting and styling your web pages Turn your website into a highly dynamic environment with Ajax calls Upload and manipulate files and images,

validate user input, and secure your applications Explore a working example that brings all of the ingredients together

Building Online Communities with Drupal, phpBB, and WordPress

- Robert T. Douglass 2006-11-22

* Content management, blogging, and online forums are among the most significant online trends today, and Drupal, phpBB, and WordPress are three of the most popular open source applications facilitating these tasks. * The authors have played active roles in project development and community support (Mike Little is actually a Wordpress project co-founder). * Drupal, phpBB, and WordPress are based on the PHP language and MySQL database server, ensuring the widest possible audience.

MySQL Stored Procedure Programming - Guy Harrison 2006-03-28

Provides information on the implementation of the stored procedures in MySQL 5.0.

Pro Web 2.0 Application Development with GWT - Jeff Dwyer 2008-07-27

Pro Web 2.0 Application Development by Jeff Dwyer is the first book on professional Web 2.0 principles that includes the Google Web Toolkit (GWT). GWT is one of the leading Java Ajax frameworks in market, and is very hot in terms of relative growth; it can be integrated with other broader Java frameworks like JBoss Seam and possibly Spring. The book's focus on a single, extremely rich, example "killer application" is what sets this apart from other GWT titles.

Professional Papervision3D - Michael Lively 2010-04-13

Professional Papervision3D describes how Papervision3D works and how real world applications are built, with a clear look at essential topics such as building websites and games, creating virtual tours, and Adobe's Flash 10. Readers learn important techniques through hands-on applications, and build on those skills as the book progresses. The companion website contains all code examples, video step-by-step explanations, and a collada repository.

Beginning PHP, Apache, MySQL Web Development - Michael K. Glass 2004-03-12

What is this book about? PHP, Apache, and MySQL are the three key open source technologies that form the basis for most active Web servers. This book takes you step-by-step through understanding each — using it and combining it with the other two on both Linux and Windows servers. This book guides you through creating your own sites using the open source AMP model. You discover how to install PHP, Apache, and MySQL. Then you create PHP Web pages, including database management and security. Finally, you discover how to integrate your work with e-commerce and other technologies. By building different types of Web sites, you progress from setting up simple database tables to tapping the full potential of PHP, Apache, and MySQL. When you're finished, you will be able to create well-designed, dynamic Web sites using open source tools. What does this book cover? Here's what you will learn from this book: How PHP server-side scripting language works for connecting HTML-based Web pages to a backend database Syntax, functions, and commands for PHP, Apache, and MySQL Methods and techniques for building user-friendly forms How to easily store, update, and access information using MySQL Ways to allow the user to edit a database E-commerce applications using these three technologies How to set up user logins, profiles, and personalizations Proper protocols for error handling Who is this book for? This book is for beginners who are new to PHP and who need to learn quickly how to create Web sites using open source tools. Some basic HTML knowledge is helpful but not essential.

Pro OpenSSH - Michael Stahnke 2006-11-22

* Authored by two Fortune 100 system administrators responsible for the architecture and deployment of OpenSSH across several hundred corporate servers. * Covers commonplace yet often confusing deployment scenarios that come up daily in enterprise environments, large and small. * Focuses upon the worlds most prevalent SSH implementation, OpenSSH.

High Availability for the Lamp Stack - Jason Cannon 2014-12-17

How to Setup a Highly Available LAMP Stack Even If You've Never Done It before, Don't Know Where to Start, or Don't Want to Spend Weeks

Researching How to Do It. This step-by-step guide teaches you everything you need to know in order to eliminate single points of failure for your Linux, Apache, MySQL, and PHP based web applications. Do you wish you could ensure your web site was up all the time and finally enjoy a peaceful night's sleep? Do you want to be able to scale without downtime and handle unexpected surges of traffic? Do you want a solution that just works without spending weeks testing various combinations of technologies and software? Do you want someone to lay it all out for you and walk you through an entire deployment? If so, you're in the right place... I understand, because I've been there. I know what it's like to be woken up in the middle of the night when a web server goes down. I don't know about you, but I'm fairly grumpy at 2:47 A.M. when something is broke and I'm the one that has to fix it. That's why I strive to eliminate single points of failure and ensure service availability. I would much rather plan for failure ahead of time than have to react to it. If you have a robust design that's easy to support you can repair any failures at your convenience instead of trying to cobble together a makeshift solution in the middle of the night. I've spent countless hours designing, testing, and implementing high availability solutions for a wide range of Linux based services during my career. I've put together a well designed, well tested solution for the LAMP (Linux, Apache, MySQL, PHP) stack that easily scales to support an increasing number of users all the while decreasing downtime. I've taken each possible single point of failure into account from the obvious ones to the less than obvious edge cases you'll need to cover in order to have a truly robust design. This architecture and design: Works on physical servers. If you're running on bare metal, this design will work for you. Works in virtual environments such as VMWare, VirtualBox, Ovirt, Red Hat Enterprise Virtualization (RHEV), KVM, and Xen. Works in the cloud -- You'll learn about the important nuances for running in the cloud. This design works whether you're using Amazon Web Services (AWS), Rackspace Cloud, or another provider. Scales without downtime.... add more servers or resources without users even noticing. Works with custom written web sites and applications that run on the LAMP stack.

Supports popular open source web applications such as WordPress, Drupal, Joomla, MediaWiki, phpBB, Redmine, SugarCRM, and more. This demonstrates everything step-by-step... This is not just a design, though. It's an entire book complete with lessons and demonstrations you can use on actual Linux servers. In the book I'll be performing the demonstrations on Ubuntu servers, but the concepts are the same no matter if you're using RedHat Enterprise Linux, CentOS, or another distribution. The only real difference is the couple of commands you'll use to perform some of the software installations. The design and configurations remain the same. Apply what you learn to other situations. Even though this course is targeted directly at the LAMP stack (Linux, Apache, MySQL, PHP), the concepts and techniques presented can be reused in a variety of other situations. If you ever need a floating IP, the ability to add more storage to servers without downtime, to balance loads across multiple servers, or deploy a highly available database cluster, you can put what you learn in this course to good use. The only thing between you and web site that stays up all the time is this book. Get started now by scrolling up to the top of the page and clicking on the "Buy now" button.

Pro MEAN Stack Development - Elad Elrom 2016-12-01

Write free, open-source, cross-platform, dynamic JavaScript applications that can run anywhere using the MEAN stack - MongoDB, ExpressJS, AngularJS, and Node.js. With this book Mac developers will get the tools needed to set up, write code once, and be able to deploy code on any device. You will be able to cut development time by using one stack to serve all your development needs. Pro MEAN Stack Development enables you to quickly learn everything needed to work effectively with MEAN, from setting up your toolstack to rolling out your free servers, and deploying on any device. You will also learn to build scripts with Grunt and Gulp, Webpack, and Vagrant and how to deploy to the web and mobile using Phonegap. Harness JavaScript to create dynamic and easily-maintainable applications fast and 100% free. Master the MEAN stack with this book today. What You Will Learn Utilize JavaScript for the entire development cycle from front end to back end, database and

deployment. Learn to write responsive code that can be deployed on any device. Become a well-rounded developer and be able to understand the entire development cycle. Learn to utilize free open source and cloud services to deploy production-grade code. Who This Book Is For Front or back end Mac developers familiar with JavaScript and interested in utilizing the MEAN stack to deploy successful apps on all devices.

PHP & MySQL: Novice to Ninja - Tom Butler 2017-10-26

PHP & MySQL: Novice to Ninja, 6th Edition is a hands-on guide to learning all the tools, principles, and techniques needed to build a fully functional application using PHP & MySQL. Comprehensively updated to cover PHP 7 and modern best practice, this practical and fun book covers everything from installing PHP and MySQL through to creating a complete online content management system. You'll learn how to: Install PHP & MySQL on Windows, Mac OS X, or Linux Gain a thorough understanding of PHP syntax Use object oriented programming techniques Master database design principles and SQL Develop robust websites that can handle high levels of traffic Build a working content management system (CMS) And much more!

GNU/Linux Rapid Embedded Programming - Rodolfo Giometti 2017-03-29

An annotated guide to program and develop GNU/Linux Embedded systems quickly About This Book Rapidly design and build powerful prototypes for GNU/Linux Embedded systems Become familiar with the workings of GNU/Linux Embedded systems and how to manage its peripherals Write, monitor, and configure applications quickly and effectively, manage an external micro-controller, and use it as co-processor for real-time tasks Who This Book Is For This book targets Embedded System developers and GNU/Linux programmers who would like to program Embedded Systems and perform Embedded development. The book focuses on quick and efficient prototype building. Some experience with hardware and Embedded Systems is assumed, as is having done some previous work on GNU/Linux systems. Knowledge of scripting on GNU/Linux is expected as well. What You Will Learn Use embedded systems to implement your projects Access and manage

peripherals for embedded systems Program embedded systems using languages such as C, Python, Bash, and PHP Use a complete distribution, such as Debian or Ubuntu, or an embedded one, such as OpenWrt or Yocto Harness device driver capabilities to optimize device communications Access data through several kinds of devices such as GPIO's, serial ports, PWM, ADC, Ethernet, WiFi, audio, video, I2C, SPI, One Wire, USB and CAN Practical example usage of several devices such as RFID readers, Smart card readers, barcode readers, z-Wave devices, GSM/GPRS modems Usage of several sensors such as light, pressure, moisture, temperature, infrared, power, motion In Detail Embedded computers have become very complex in the last few years and developers need to easily manage them by focusing on how to solve a problem without wasting time in finding supported peripherals or learning how to manage them. The main challenge with experienced embedded programmers and engineers is really how long it takes to turn an idea into reality, and we show you exactly how to do it. This book shows how to interact with external environments through specific peripherals used in the industry. We will use the latest Linux kernel release 4.4.x and Debian/Ubuntu distributions (with embedded distributions like OpenWrt and Yocto). The book will present popular boards in the industry that are user-friendly to base the rest of the projects on - BeagleBone Black, SAMA5D3 Xplained, Wandboard and system-on-chip manufacturers. Readers will be able to take their first steps in programming the embedded platforms, using C, Bash, and Python/PHP languages in order to get access to the external peripherals. More about using and programming device driver and accessing the peripherals will be covered to lay a strong foundation. The readers will learn how to read/write data from/to the external environment by using both C programs or a scripting language (Bash/PHP/Python) and how to configure a device driver for a specific hardware. After finishing this book, the readers will be able to gain a good knowledge level and understanding of writing, configuring, and managing drivers, controlling and monitoring applications with the help of efficient/quick programming and will be able to apply these skills into real-world projects. Style and

approach This practical tutorial will get you quickly prototyping embedded systems on GNU/Linux. This book uses a variety of hardware to program the peripherals and build simple prototypes.

Professional CodeIgniter - Thomas Myer 2008-07-10

If you're a PHP developer, you can build Rails-like applications without learning a new language by following the hands-on tutorials in Professional CodeIgniter. In this book, find an overview of MVC and agile technologies, model and schema for products, helpers and libraries, Ajax and Scriptaculous, and explanations of the creation of applications like content management, blogs, and forums. Follow the step-by-step instructions for building and perfecting each application with CodeIgniter, and you will learn how to avoid everyday problems that other reference manuals don't address.

Professional Mobile Application Development - Jeff McWherter 2012-08-16

Create applications for all major smartphone platforms Creating applications for the myriad versions and varieties of mobile phone platforms on the market can be daunting to even the most seasoned developer. This authoritative guide is written in such a way that it takes your existing skills and experience and uses that background as a solid foundation for developing applications that cross over between platforms, thereby freeing you from having to learn a new platform from scratch each time. Concise explanations walk you through the tools and patterns for developing for all the mobile platforms while detailed steps walk you through setting up your development environment for each platform. Covers all the major options from native development to web application development Discusses major third party platform development acceleration tools, such as Appcelerator and PhoneGap Zeroes in on topics such as developing applications for Android, IOS, Windows Phone 7, and Blackberry Professional Mobile Cross Platform Development shows you how to best exploit the growth in mobile platforms, with a minimum of hassle.

InfoWorld - 2005-04-04

InfoWorld is targeted to Senior IT professionals. Content is segmented

into Channels and Topic Centers. InfoWorld also celebrates people, companies, and projects.

Pro PHP Application Performance - Armando Padilla 2011-02-24
Pro PHP Application Performance will help you understand all the technologies and components which play a role in how well your applications run. When seconds can mean the difference between retaining a user and losing a user, it's important for all of us to have optimization as part of our project roadmap. But what components within your application should you analyze? How should you optimize? And how can you measure how well your application is performing? These are some of the questions that are answered in this book. Along the way you will also learn the "why" of optimizing. You'll discover why you should optimize a specific component, why selecting one function over another is beneficial, and how to find and use the optimization tools available to the open source community. You'll also learn how to deploy caching software as well as web server software. Pro PHP Application Performance will also teach you more advanced techniques, such as:

- Using Xdebug to profile functions that are not running as efficiently as possible.
- Comparing opcode executed by different PHP functions to narrow the search for functions that run efficiently.
- Using strace to analyze Apache while your application is served to the user.

Once you complete this book you will have a complete sense of where to start optimizing and, most importantly, have the tools which allow you to continue optimizing in other PHP applications going forward.

Professional WordPress - Brad Williams 2015-01-06

The highest rated WordPress development and design book on the market is back with an all new third edition. Professional WordPress is the only WordPress book targeted to developers, with advanced content that exploits the full functionality of the most popular CMS in the world. Fully updated to align with WordPress 4.1, this edition has updated examples with all new screenshots, and full exploration of additional tasks made possible by the latest tools and features. You will gain insight into real projects that currently use WordPress as an application framework, as well as the basic usage and functionality of the

system from a developer's perspective. The book's key features include detailed information and real-world examples that illustrate the concepts and techniques at work, plus code downloads and examples accessible through the companion website. Written by practicing WordPress developers, the content of this edition focuses on real world application of WordPress concepts that extend beyond the current WordPress version. WordPress started in 2003 with a single bit of code to enhance the typography of everyday writing, and has grown to be the largest self-hosted website platform in the world. This book helps you use WordPress efficiently, effectively, and professionally, with new ideas and expert perspectives on full system exploitation. Get up to speed on the new features in WordPress 4.1 Learn cutting edge uses of WordPress, including real-world projects Discover how to migrate existing websites to WordPress Understand current best practices and tools in WordPress development WordPress was born out of a desire for an elegant, well-architected personal publishing system built on PHP and MySQL, and has evolved to be used as a full content management system through thousands of plugins, widgets, and themes. Professional WordPress is the essential developer's guide to this multifunctional system.

Pro MySQL - Jay Pipes 2006-11-22

* One of the first books to cover MySQL 5 in depth * Foregoes reiteration of the basics found in other books, and concentrates on MySQL's advanced applications in enterprise environments * Doubles as a reference for users interested in having a thorough guide to configuration directives, commands, and features at their disposal

Core PHP Programming - Leon Atkinson 2004

Demonstrates the construction and deployment of robust Web applications, covering syntax, scripts, functions, sorting, searching, parsing, program design, and debugging.

Information Technology for Librarians and Information Professionals -

Jonathan M. Smith 2021-04-15

This comprehensive primer introduces information technology topics foundational to many services offered in today's libraries and information

centers. Written by a librarian, it clearly explains concepts familiar to the I.T. professional with an eye toward practical applications in libraries for the aspiring technologist. Chapters begin with a basic introduction to a major topic then go into enough technical detail of relevant technologies to be useful to the student preparing for library technology and systems work or the professional needing to converse effectively with technology experts. Many chapters also present current issues or trends for the subject matter being discussed. The twelve chapters cover major topics such as technology support, computer hardware, networking, server administration, information security, web development, software and systems development, emerging technology, library management technologies, and technology planning. Each chapter also includes a set of pedagogical features for use with instruction including: Chapter summary List of key terms End of chapter question set Suggested activities Bibliography for further reading List of web resources Those who will find this book useful include library & information science students, librarians new to systems or information technology responsibilities, and library managers desiring a primer on information technology.

FUNDAMENTALS OF OPEN SOURCE SOFTWARE - M. N. RAO

2014-09-16

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.

Smart Energy in the Smart City - Rocco Papa 2016-05-05

This book examines the energy dimension of the smart city from the perspective of urban planning, providing a complete overview that ranges from theoretical aspects to practical considerations and projects. In addition, it aims to illustrate how the concept of the smart city can enhance understanding of the urban system and foster new forms of management of the metropolis, including with respect to energy supply and use. Specifically, the book explores the different dimensions of the relationship between energy and the city, discusses methodological issues with a special focus on ontological approaches to sustainability, and describes practices, tools, and good examples of energy-related urban planning. The authors represent the main Italian research groups working in the field, Italy being an excellent example of a country exposed to energy problems due to, for example, vulnerability to climate change and lack of primary energy resources. This book will be valuable for students of urban planning, town planners, and researchers interested in understanding the changing nature of the city and the challenges posed by energy issues.

Professional ASP.NET MVC 2 - Jon Galloway 2010-06-04

Top-selling MVC book from a top team at Microsoft—now fully updated! ASP.NET MVC 2.0 is now available and shipping with Visual Studio 2010 and .NET 4. A new update to Microsoft's Model-View-Controller

technologies, MVC 2 enables developers to build dynamic, data-driven Web sites. Professional ASP.NET MVC 2 shows you step-by-step how to use MVC 2. You'll learn both the theory behind MVC 2, as well as walk through practical tutorials, where you'll create a real-world application. Topics include transitioning from ASP.NET development, as well as an overview of related tools and technologies, including LINQ, jQuery, and REST. This book is for web developers who are looking to add more complete testing to their web sites, and who are perhaps ready for "something different." In some places, we assume that you're somewhat familiar with ASP.NET WebForms, at least peripherally. There are a lot of ASP.NET WebForms developers out there who are interested in ASP.NET MVC so there are a number of places in this book where we contrast the two technologies. Even if you're not already an ASP.NET developer, you might still find these sections interesting for context, as well as for your own edification as ASP.NET MVC may not be the web technology that you're looking for.

Professional Search Engine Optimization with ASP.NET - Cristian Darie 2007-09-04

Provides information on creating and maintaining Web sites that are optimized for search engines.

Professional Linux Programming - Jon Masters 2007-02-26

This book is broken into four primary sections addressing key topics that Linux programmers need to master: Linux nuts and bolts, the Linux kernel, the Linux desktop, and Linux for the Web Effective examples help get readers up to speed with building software on a Linux-based system while using the tools and utilities that contribute to streamlining the software development process Discusses using emulation and virtualization technologies for kernel development and application testing Includes useful insights aimed at helping readers understand how their applications code fits in with the rest of the software stack Examines cross-compilation, dynamic device insertion and removal, key Linux projects (such as Project Utopia), and the internationalization capabilities present in the GNOME desktop

Professional Wikis - Mark S. Choate 2008-01-07

This book shows you how to install, use, manage, and extend a wiki using MediaWiki—the wiki engine used to power Wikipedia. You'll learn wiki terminology, how to create user accounts and new pages, and find your way around the wiki. Special focus is placed on how wikis are used in software and web development projects and how their capabilities ideally suit a specific environment and audience. You'll quickly come to discover why wikis are a valuable addition for any organization that wants to increase productivity using web-based collaboration tools.

Professional DotNetNuke 4 - Shaun Walker 2007-04-10

DotNetNuke is a powerful open source framework that creates and deploys robust modules on the ASP.NET platform. Written by its core team of developers, this book will provide you with the tools and insight you'll need to install, configure, and develop your own stunning Web applications using DotNetNuke 4. You'll first gain an inside look into the history of this project as well as the basic operations of a DotNetNuke portal. You'll then find detailed information on how the application is architected and how you can extend it by building modules and skins. With this information, you'll be able to complete projects such as commercial Web sites, corporate intranets and extranets, online publishing portals, and custom vertical applications. What you will learn from this book The latest features and functionality of DotNetNuke 4 for ASP.NET 2.0 The best way to install DotNetNuke on the server Proven tips for managing and administering a DotNetNuke portal How to dramatically enhance your Web site's user interface using skins Techniques for extending the portal framework Ways to create a unique look for your porta Who this book is for This book is for the nondeveloper or administrator who wants to dive into the exciting DotNetNuke framework. It is also for experienced ASP.NET developers who want to use DotNetNuke to build dynamic ASP.NET sites or create add-ins to DotNetNuke. Wrox Professional guides are planned and written by working programmers to meet the real-world needs of programmers, developers, and IT professionals. Focused and relevant, they address the issues technology professionals face every day. They provide examples, practical solutions, and expert education in new technologies, all

designed to help programmers do a better job.

Professional ASP.NET MVC 1.0 - Rob Conery 2009-07-01

This book begins with you working along as Scott Guthrie builds a complete ASP.NET MVC reference application. He begins NerdDinner by using the File->New Project menu command within Visual Studio to create a new ASP.NET MVC Application. You'll then incrementally add functionality and features. Along the way you'll cover how to create a database, build a model layer with business rule validations, implement listing/details data browsing, provide CRUD (Create, Update, Delete) data form entry support, implement efficient data paging, reuse UI using master pages and partials, secure the application using authentication and authorization, use AJAX to deliver dynamic updates and interactive map support, and implement automated unit testing. From there, the bulk of the rest of the book begins with the basic concepts around the model view controller pattern, including the little history and the state of the MVC on the web today. We'll then go into the ways that MVC is different from ASP.NET Web Forms. We'll explore the structure of a standard MVC application and see what you get out of the box. Next we dig deep into routing and see the role URLs play in your application. We'll deep dive into controllers and views and see what role the Ajax plays in your applications. The last third of the book focuses entirely on advanced techniques and extending the framework. In some places, we assume that you're somewhat familiar with ASP.NET WebForms, at least peripherally. There are a lot of ASP.NET WebForms developers out there who are interested in ASP.NET MVC so there are a number of places in this book where we contrast the two technologies. Even if you're not already an ASP.NET developer, you might still find these sections interesting for context, as well as for your own edification as ASP.NET MVC may not be the web technology that you're looking for.

Pro PHP MVC - Chris Pitt 2012-12-09

Model View Controller (MVC) is becoming the definitive architecture of website development frameworks due to the stability, extensibility and predictability it lends to development. It is not just the primary separation of database, business logic and interface components, but

includes a wide range of considerations for building high-performing, scalable and secure applications. Deciding which MVC framework best suits the project you are about to begin is one of the biggest challenges you'll face as a developer. If you are part of a team, this decision has probably already been made for you; but in any event, you'll need to know how (and why) the framework authors made it work the way it does. Pro PHP MVC looks at the building blocks that make any good MVC framework, and how they apply to PHP. It exposes all considerations that many developers take for granted when using a popular framework, and teaches you how to make the framework your own. Over the course of reading this book, you will learn the theoretical implications of the choices you would make when writing your own MVC framework, and how to put the pieces together in a cohesive package. We take a look at the highly modular Zend Framework—how to use its collection of loosely coupled classes to build a unified system. We also look at CakePHP, learning from its automated build system (Bakery) and highly intuitive approach to rapid development. This book will lay bare all the secret parts of MVC for you.

Smart Computing - Mohammad Ayoub Khan 2021-05-12

The field of SMART technologies is an interdependent discipline. It involves the latest burning issues ranging from machine learning, cloud computing, optimisations, modelling techniques, Internet of Things, data analytics, and Smart Grids among others, that are all new fields. It is an applied and multi-disciplinary subject with a focus on Specific, Measurable, Achievable, Realistic & Timely system operations combined with Machine intelligence & Real-Time computing. It is not possible for any one person to comprehensively cover all aspects relevant to SMART Computing in a limited-extent work. Therefore, these conference proceedings address various issues through the deliberations by distinguished Professors and researchers. The SMARTCOM 2020 proceedings contain tracks dedicated to different areas of smart technologies such as Smart System and Future Internet, Machine Intelligence and Data Science, Real-Time and VLSI Systems, Communication and Automation Systems. The proceedings can be used

as an advanced reference for research and for courses in smart technologies taught at graduate level.

[Pro Drupal 7 for Windows Developers](#) - Brian Travis 2011-07-18

Drupal 7 opens the door for you as a Windows developer to build Drupal sites—including custom modules—all without leaving Visual Studio! Pro Drupal 7 for Windows Developers gives you everything you need to know to achieve this, whilst drilling down into the advanced topics that you'll want to master whilst working with Drupal 7 as a Windows developer. Pro Drupal 7 for Windows Developers starts with the Drupal page model, which Windows programmers can contrast against the ASP.NET page model. You will then explore the various features of Drupal, including the hook model, theming, roles, and caching. You'll also discover the data abstraction layer which lays the foundation for integration with your enterprise-level databases and external systems. Pro Drupal 7 for Windows Developers focuses on the important topics for the programmer

coming to Drupal: An up-to-speed introduction to Drupal for developers so that they can get past the initial learning curve most efficiently. Key introductions to the important features of Drupal, including the page model, the hook architecture, the theming layer, and custom module development. How to work with the Drupal 7 features you want to work with within the Windows development environment. Step-by-step tutorials on building, testing, and deploying custom modules for internal use or for sharing with the Drupal community. Pro Drupal 7 for Windows Developers provides a bridge to Drupal for you as a Windows developer—by speaking your language!

BeagleBone Essentials - Rodolfo Giometti 2015-05-28

If you are a developer with some hardware or electrical engineering experience who wants to learn how to use embedded machine-learning capabilities and get access to a GNU/Linux device driver to collect data from a peripheral or to control a device, this is the book for you.