

The Net Developer S Guide To Directory Services Programming

A comprehensive and authoritative guide to development with ASP.NET, Microsoft's ActiveServer Pages. It covers all the features and syntax of ASP.NET, and a special ASP.NET in Action part features the development of three full-fledged applications, including a product catalogue, shopping cart, and customer customization. This guide also addresses the critical issues of debugging and security. The CD contains all the code from the book, ready to run, plus additional application solutions not provided in the book.

Summary Get Programming with F#: A guide for .NET developers teaches F# through 43 example-based lessons with built-in exercises so you can learn the only way that really works: by practicing. The book upgrades your .NET skills with a touch of functional programming in F#. You'll pick up core FP principles and learn techniques for iron-clad reliability and crystal clarity. You'll discover productivity techniques for coding F# in Visual Studio, functional design, and integrating functional and OO code. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology Your .NET applications need to be good for the long haul. F#'s unique blend of functional and imperative programming is perfect for writing code that performs flawlessly now and keeps running as your needs grow and change. It takes a little practice to master F#'s functional-first style, so you may as well get programming! What's Inside Learn how to write bug-free programs Turn tedious common tasks into quick and easy ones Use minimal code to work with JSON, CSV, XML, and HTML data Integrate F# with your existing C# and VB.NET applications Create web-enabled applications About the Reader Written for intermediate C# and Visual Basic .NET developers. No experience with F# is assumed. Table of Contents Unit 1 - F# AND VISUAL STUDIO Lesson 1 - The Visual Studio experience Lesson 2 - Creating your first F# program Lesson 3 - The REPL-changing how we develop Unit 2 - HELLO F# Lesson 4 - Saying a little, doing a lot Lesson 5 - Trusting the compiler Lesson 6 - Working with immutable data Lesson 7 - Expressions and statements Lesson 8 Capstone 1 Unit 3 - TYPES AND FUNCTIONS Lesson 9 - Shaping data with tuples Lesson 10 - Shaping data with records Lesson 11 - Building composable functions Lesson 12 - Organizing code without classes Lesson 13 - Achieving code reuse in F# Lesson 14 - Capstone 2 Unit 4 - COLLECTIONS IN F# Lesson 15 - Working with collections in F# Lesson 16 - Useful collection functions Lesson 17 - Maps, dictionaries, and sets Lesson 18 - Folding your way to success Lesson 19 - Capstone 3 Unit 5 - THE PIT OF SUCCESS WITH THE F# TYPE SYSTEM Lesson 20 - Program flow in F# Lesson 21 - Modeling relationships in F# Lesson 22 - Fixing the billion-dollar mistake Lesson 23 - Business rules as code Lesson 24 - Capstone 4 Unit 6 - LIVING ON THE .NET PLATFORM Lesson 25 - Consuming C# from F# Lesson 26 - Working with NuGet packages Lesson 27 - Exposing F# types and functions to C# Lesson 28 - Architecting hybrid language applications Lesson 29 - Capstone 5 Unit 7 - WORKING WITH DATA Lesson 30 - Introducing type providers Lesson 31 - Building schemas from live data Lesson 32 - Working with SQL Lesson 33 - Creating type provider-backed APIs Lesson 34 - Using type providers in the real world Lesson 35 - Capstone 6 Unit 8 - WEB PROGRAMMING Lesson 36 - Asynchronous workflows Lesson 37 - Exposing data over HTTP Lesson 38 - Consuming HTTP data Lesson 39 - Capstone 7 Unit 9 - UNIT TESTING Lesson 40 - Unit testing in F# Lesson 41 - Property-based testing in F# Lesson 42 - Web testing Lesson 43 - Capstone 8 Unit 10 - WHERE NEXT? Appendix A - The F# community Appendix B - F# in my organization Appendix C - Must-visit F# resources Appendix D - Must-have F# libraries Appendix E - Other F# language feature

Blazor is the new way to build interactive web apps using C# and .NET. This Blazor C# book starts by helping you discover Blazor and its features for building your first application, which will show you how Blazor can be used on both the client-side and server-side.

Visual Basic has long been the language of choice when designing Windows-based applications and the Web. Touted as both the most popular and productive computing language, Visual Basic has amassed quite a following of devoted programmers, and is a sought after programming skill. With the introduction of .NET Enterprise, Microsoft launch VB.NET, offering a streamlined, simplified version of Visual Basic language. With increased power, scalability, functionality and reliability, VB.NET is positioned to be the most productive tool in a programmer's toolbox. VB.NET Developer's Guide is written for previous Visual Basic Programmers looking to harness the power of the new features and functionality incorporated in Visual Basic.NET. Timely coverage of newly released product which Visual Basic users will be eager to learn VB.NET Developer's Guide is one of the first comprehensive reference for programmers and developers anxious to learn about the new technology

The .NET Developer's Guide to Directory Services Programming Addison-Wesley Professional

Build the skills to apply Microsoft .NET collections effectively Put .NET collections to work—and manage issues with GUI data binding, threading, data querying, and storage. Led by a data collection expert, you'll gain task-oriented guidance, exercises, and extensive code samples to tackle common problems and improve application performance. This one-stop reference is designed for experienced Microsoft Visual Basic and C# developers—whether you're already using collections or just starting out. Discover how to: Implement arrays, associative arrays, stacks, linked lists, and other collection types Apply built in .NET collection classes by learning their methods and properties Add enumerator, dictionary, and other .NET collection interfaces to your classes Query collections by writing simple to complex Microsoft LINQ statements Synchronize data across threads using built in .NET synchronization classes Enhance your custom collection classes with serialization support Use simple data binding to display collections in Windows Forms, Microsoft Silverlight, and Windows Presentation Foundation

Accounting Succinctly by Joe Booth is a developer's guide to basic accounting. Written with business app development in mind, Booth discusses some of the most common accounting processes, including assets, multiple accounts, journaling, posting, inventory, and payroll. An appendix includes SQL code examples to get you started with several basic accounting transactions. "I come from a T-SQL background, so when I first laid my eyes on SQL Server 2005, I was shocked--and then, I was scared! I didn't have a CLR or XML background and suddenly had an urgent need to learn it. SQL Server 2005 is too big of a release to learn from the books online. Fortunately, now there is a book for developers who need to go from SQL Server 2000 to SQL Server 2005 and to do it as painlessly as possible. Basically, it's one-stop shopping for serious developers who have to get up to speed quickly. I'll keep this one on my desk--not on my bookshelf. Well done, Bob and Dan!" --Dr. Tom Moreau SQL Server MVP and Monthly Columnist SQL Server Professional, Brockman Moreau Consulting Inc. "A SQL book truly for developers, from two authorities on the subject. I'll be turning to this book first when I need to understand a component of SQL Server 2005." --Matt Milner Instructor Pluralsight "An excellent book for those of us who need to get up to speed on what's new in SQL Server 2005.

The authors made sure this book includes the final information for the release version of the product. Most other books out now are based on beta versions. It covers key areas from XML and SQLCLR to Notification Services. Although the wide variety of information is great, my favorite part was the advice given on when to use what, and how performance is affected." --Laura Blood Senior Software Developer Blue Note Computing, Inc. "SQL Server 2005 is a massive release with a large number of new features. Many of these features were designed to make SQL Server a great application development platform. This book provides comprehensive information about the SQL Server features of most interest to application developers. The lucid text and wealth of examples will give a developer a clear understanding of how to use SQL Server 2005 to a whole new class of database applications. It should be on every SQL Server developer's bookshelf." --Roger Wolter Solutions Architect Microsoft Corporation "While there will be a lot of good books on SQL Server 2005 development, when people refer to the 'bible,' they'll be talking about this book." --Dr. Greg Low Senior Consultant Readify Pty Ltd "SQL Server 2005 is loaded with new features and getting a good overview is essential to understand how you can benefit from SQL Server 2005's features as a developer. Bob and Dan's book goes beyond enumerating the new SQL Server 2005 features, and will provide you with lots of good examples. They did a good job striking a balance between overview and substance." --Michiel Worries Senior Program Manager, SQL Server Microsoft Corporation Few technologies have been as eagerly anticipated as Microsoft SQL Server 2005. Now, two SQL Server insiders deliver the definitive hands-on guide--accurate, comprehensive, and packed with examples. "A Developer's Guide to SQL Server 2005" starts where Microsoft's documentation, white papers, and Web articles leave off, showing developers how to take full advantage of SQL Server 2005's key innovations. It draws on exceptional cooperation from Microsoft's SQL Server developers and the authors' extensive access to SQL Server 2005 since its earliest alpha releases. You'll find practical explanations of the new SQL Server 2005 data model, built-in .NET hosting, improved programmability, SQL:1999 compliance, and much more. Virtually every key concept is illuminated via sample code that has been fully updated for and tested with the shipping version of the product. Key coverage includes Using SQL Server 2005 as a .NET runtime host: extending the server while enhancing security, reliability, and performance Writing procedures, functions, triggers, and types in .NET languages Exploiting enhancements to T-SQL for robust error-handling, efficient queries, and improved syntax Effectively using the XML data type and XML queries Implementing native SQL Server 2005 Web Services Writing efficient, robust clients for SQL Server 2005 using ADO.NET, classic ADO, and other APIs Taking full advantage of user-defined types (UDTs), query notifications, promotable transactions, and multiple active result sets (MARS) Using SQL Management Objects (SMO), SQL Service Broker, and SQL Server Notification Services to build integrated applications

ASP.Net Web Developer's Guide provides information to make use of Microsoft's newest Web development platform. ASP.NET is a revolutionary programming framework that enables the rapid development of powerful web applications and services. Part of the emerging Microsoft .NET Platform, it provides the easiest and most scalable way to build, deploy and run distributed web applications that can target any browser or device. ASP.NET (formerly referred to as ASP+) is more than the next version of Active Server Pages (ASP); it is a unified Web development platform that provides the services necessary for developers to build enterprise-class Web applications. ASP .net Web Developer's Guide assists Web developers to quickly and easily build solutions for the Microsoft .NET platform. Programmers who are expert in asp and other languages will find this book invaluable. This book will appeal to all web developers - regardless of what language they are using or what platform they will be using. Comprehensive Coverage of the Entire .net Framework for B2B commerce.

This comprehensive textbook introduces readers to the three-tiered, Model-View-Controller (MVC) architecture by using Hibernate, JSPs, and Java Servlets. These three technologies all use Java, so that a student with a background in programming will be able to master them with ease, with the end result of being able to create web applications that use MVC, validate user input and save data to a database. Features: presents the many topics of web development in small steps, in an accessible, easy-to-follow style; uses powerful technologies that are freely available on the web to speed up web development, such as JSP, JavaBeans, annotations, JSTL, Java 1.5, Hibernate and Tomcat; discusses HTML, HTML Forms, Cascading Style Sheets and XML; introduces core technologies from the outset, such as the MVC architecture; contains questions and exercises at the end of each chapter, detailed illustrations, chapter summaries, and a glossary; includes examples for accessing common web services.

Covers topics such as integrating multiple .NET technologies, cross-language integration, versioning, database and monitoring tools for application development, accessing data, and COM+.

A guide to Windows security describes how to program systems to run securely on Windows Server 2003, Windows XP, and Windows 2000.

Attention .NET developers, here is your starting point for learning how to create and publish augmented reality (AR) apps for iOS devices. This book introduces and explores iOS augmented reality mobile app development specifically for .NET developers. The continued adoption and popularity of Xamarin, a tool that allows cross-platform mobile application development, opens up many app publishing opportunities to .NET developers that were never before possible, including AR development. You will use Xamarin to target Apple's augmented reality framework, ARKit, to develop augmented reality apps in the language you prefer—C#. Begin your journey with a foundational introduction to augmented reality, ARKit, Xamarin, and .NET. You will learn how this remarkable collaboration of technologies can produce fantastic experiences, many of them never before tried by .NET developers. From there you will dive into the fundamentals and then explore various topics and AR features. Throughout your learning, proof of concepts will be demonstrated to reinforce learning. After reading this book you will have the fundamentals you need, as well as an understanding of the overarching concepts that combine them. You will come away with an understanding of the wide range of augmented reality features available for developers, including the newest features included in the latest versions of ARKit. What You Will Learn Create rich commercial and personal augmented reality mobile apps Explore the latest capabilities of ARKit Extend and customize chapter examples for building your own amazing apps Graduate from traditional 2D UI app interfaces to immersive 3D AR interfaces Who This Book Is For Developers who want to learn how to use .NET and C# to create augmented reality apps for iOS devices. It is recommended that developers have some Xamarin experience

and are aware of the cross-platform options available to .NET. A paid Apple developer account is not needed to experiment with the AR code samples on your devices.

An expert guide to Ruby, a popular new Object-Oriented Programming Language Ruby is quickly becoming a favourite among developers who need a simple, straight forward, portable programming language. Ruby is ideal for quick and easy object-oriented programming such as processing text files or performing system management. Having been compared with other programming languages such as Perl, Python, PCL, Java, Eiffel, and C++; Ruby is popular because of its straight forward syntax and transparent semantics. Using step-by-step examples and real world applications, the Ruby Developer's Guide is designed for programmers and developer's looking to embrace the object-oriented features and functionality of this robust programming language. Readers will learn how to develop, implement, organize and deploy applications using Ruby. Ruby is currently experiencing a rapid rise in popularity in the object-oriented programming community Readers receive up-to-the minute links, white papers, and analysis for two years at solutions@syngress.com Comes with a wallet-sized CD containing a printable HTML version of the book, all of the source code examples and demos of popular Ruby third-party programming tools and applications

As business becomes more and more global, software developers increasingly need to make applications multi-lingual and culturally aware. The .NET Framework may well have the most comprehensive support for internationalization and globalization of any development platform to date, and .NET Internationalization teaches developers how to unlock and utilize that support. Experienced international application developer Guy Smith-Ferrier covers the internationalization of both Windows Forms and ASP.NET applications, using both Versions 1.1 and 2.0 of the .NET Framework. Smith-Ferrier not only teaches you the best ways to take advantage of the globalization and internationalization features built in to the .NET Framework and Visual Studio, he also provides original code to take globalized applications to the next level of international utility and maintainability. Key topics include • An introduction to the internationalization process and how localization and globalization are supported in Windows and the .NET Framework • The use of resource managers, cultures, resource DLLs, and localized strings, images, and files—including strongly typed resources • Detailed coverage of form localization in Windows Forms and Web Forms • Dealing with regional cultures and their casing, collation, and calendars • Managing right-to-left Middle-Eastern text and pictographic East Asian languages • How to use the book's original resource administration utilities • How to translate resources with machine translation • How to create custom cultures and integrate them with the .NET Framework 2.0 and Visual Studio 2005 • How resource managers work and how to write custom resource managers, including a resource manager that uses a database • How to test your internationalization with FxCop using new and existing globalization rules • How to effectively include the translator in the internationalization process Whether you are a developer, architect, or manager, if you are involved in international applications with the .NET Framework, this is the one book you need to read and understand before you start development. Guy Smith-Ferrier is an author, developer, trainer, and speaker with more than 20 years of software engineering experience. He has internationalized applications in four development platforms, including the .NET Framework. A frequent conference speaker, Guy is the author of C# and .NET courseware and has written numerous articles. You can read his blog at www.guysmithferrier.com.

This developer's guide provides a resource for the professional developer seeking to create complex, robust and high performance applications with visual C++.Net. It covers how to build multiple applications for the Web and the desktop through extensive coverage on ADO, ADO+, threads, active directory, attributed programming, security, debugging, graphic animation and streaming video. It explains visual C++.NET's relationship to the .NET framework and how to utilize Visual C++.NET's debugging capability. Readers can learn programming techniques to integrate graphic animation and streaming video into a site and how to make applications PDA-compatible and understand and design a secure application. The CD contains all of the book's source code.

A developer's guide provides a wealth of examples that demonstrate how to create powerful web applications, covering such topics as adding applets to HTML pages, the HotJava browser, and integrating animation and audio. Original. (Intermediate).

Provides information on both Rails and Ruby from the perspective of a Microsoft .NET developer.

A one-stop guide to the essentials of web development including popular frameworks such as jQuery, Bootstrap, AngularJS, and Node.js About This Book Understand the essential elements of HTML, CSS, and JavaScript, including how and when to use them Walk through three of the best and most popular web development frameworks – jQuery, Bootstrap, and AngularJS References for any function you will need in your day-to-day web development Who This Book Is For This book is perfect for beginners but more advanced web developers will also benefit. Laid out so you can refer to as much or as little as you need to, with this book you can exhaustively explore essential concepts for modern web developers. What You Will Learn Explore detailed explanations of all the major HTML elements and attributes, illustrated with examples Take a deep dive into CSS properties and functions and master their usage Find clear, concise descriptions of JavaScript syntax and expressions Recognize various JavaScript design patterns and learn the basics of JavaScript object-orientated programming Implement the latest ECMAScript 6 for client-side scripting in your web applications Discover new ways to develop your website's front end quickly and easily using Bootstrap Write JavaScript extensively using jQuery-JavaScript's feature-rich library Delve into the key Node.js modules used in JavaScript server-side programming Access AngularJS 's important modules, controllers, directives, and services quickly In Detail This comprehensive reference guide takes you through each topic in web development and highlights the most popular and important elements of each area. Starting with HTML, you will learn key elements and attributes and how they relate to each other. Next, you will explore CSS pseudo-classes and pseudo-elements, followed by CSS properties and functions. This will introduce you to many powerful and new selectors. You will then move on to JavaScript. This section will not just introduce functions, but will provide you with an entire reference for the language and paradigms. You will discover more about three of the most popular frameworks today—Bootstrap, which builds on CSS, jQuery which builds on JavaScript, and AngularJS, which also builds on JavaScript. Finally, you will take a

walk-through Node.js, which is a server-side framework that allows you to write programs in JavaScript. Style and approach This book is an easy-to-follow, comprehensive reference guide. Each topic, function, or element is listed methodically along with parameters, return values, and descriptions. Examples are also included to help you put the concepts to use quickly in the real world.

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

Compete with the big players in today's E-commerce marketplace Electronic Data Interchange (EDI) has long been the standard for large business enterprises to communicate in the B2B marketplace. However, EDI is a difficult technology - the cost and support of EDI standards is often too much for a small or medium business enterprise to bear. To compete in the current E-commerce marketplace, many organizations are beginning to take an interest in the interoperability that exists between XML (Extensible Markup Language) and EDI. XML .NET Developers Guide is written for information technology professionals responsible for supporting data management in both small and large organizations. This book appeals to both individuals working with an existing EDI environment, and small to medium businesses looking to increase their market presence by competing with current EDI players using XML/EDI. XML/EDI is quickly becoming an industry standard, however there is a noticeable lack of quality reference material for programmers looking to adopt these standards. You can take it with you. The book comes with Syngress' revolutionary Wallet CD containing a printable HTML version of the book, all of the source code, and demo versions of popular XML/EDI translation tools Up to the minute web-based support with solutions@syngress.com

"How to Get a Job in Web Development" is designed for junior web developers. Whether you're coming from a coding bootcamp, are completely self-taught, or graduated from college with a tech-related degree, this book is for you. Written by RealToughCandy. In this book, you will learn how to:

- Expertly craft the 'holy clover' of application materials: your resume, cover letter, GitHub page, and portfolio.
- Leverage the power of LinkedIn, Meetups, and social media.
- Handle follow-up emails and phone calls.
- Prepare for the multiple types of interviews you will encounter, whether via phone, video conference, or in person.
- Strategically apply to jobs so you can maximize your salary demands during negotiation.
- Efficiently organize and prioritize the jobs you've applied to.
- Craft results-driven email check-ins with your potential employer.
- Reduce your vulnerabilities for discrimination.

And much, much more! No awkward whiteboard interviews. No hour-long explanation of Big O notation. Just practical, actionable steps that will put you far ahead of the pack when it comes to getting a job in web development. Now let's go get that job! "Just finished reading your book and all I can say is WOW! Mind you since May of 2016 I have taken about 6 online courses specifically looking for employment and around three of them were specifically for either how to get an IT or Web Developer job. These courses cannot hold a candle to the majority of the information you put in this book!" -George M., Web Developer WHY I WROTE THIS BOOK: When I started my web development journey, I was a lost hiker in the digital woods. I knew I wanted to build web apps, but didn't know what those people called themselves. Were they website builders? Programmers? The term 'software engineer' floated around a lot online – was that my aspiration? Since I didn't know exactly what I was looking for, I spent a lot of time reading and watching materials that were nothing but discouraging: mock Google coding interviews with whiteboards and markers. Lots of articles and videos that name-dropped things like binary trees, Big O notation, and time complexity. Forum post upon forum post that gave away actual coding interview questions from the biggest tech companies in the world like Facebook, Google, and Microsoft. Making things worse, some web developers I had discovered on YouTube were talking about a really good, popular book for coding interviews. I checked it out and once again my stomach sank. "I'm never going to make it in this field," I said to myself. "I've been studying and practicing and building projects for months, and I still have no idea what these people are talking about." What they didn't tell me was that the book is geared towards senior software engineers trying to get a job with Amazon and Google. I wanted to quit my coding journey. In fact, I did quit. The difference was, I didn't stay quit. Something told me to keep pushing forward, keep building projects to put in my portfolio and Github, keep reaching out and trying to find clients who needed websites. I kept pushing until I got a job as a fullstack web developer at a data company. As it turns out, the internet isn't very generous to our career field. Beginners are especially marginalized. There aren't any quality one-stop resources for discovering one of the most important questions – if not the most important question – web developers have. "How do I get a job in this field?" I wanted to change the junior web developer tech landscape with this book. My goal is for every junior developer who reads this to find a job. And if you take the recommended actions in this book, you can do it.

Building rich JavaScript applications that bring a desktop experience to the Web requires moving state from the server to the client side—not a simple task. This hands-on book takes proficient JavaScript developers through all the steps necessary to create state-of-the-art applications, including structure, templating, frameworks, communicating with the server, and many other issues. Throughout the book, you'll work with real-world example applications to help you grasp the concepts involved. Learn how to create JavaScript applications that offer a more responsive and improved experience. Use the Model-View-Controller (MVC) pattern, and learn how to manage dependencies inside your application Get an introduction to templating and data binding Learn about loading remote data, Ajax, and cross-domain requests Create realtime applications with WebSockets and Node.js Accept dropped files and upload data with progress indicators Use major frameworks and libraries, including jQuery, Spine, and Backbone Write tests and use the console to debug your applications Get deployment best practices, such as caching and minification CSS3 is behind most of the eye-catching visuals on the Web today, but the official documentation can be dry and hard to follow and browser implementations are scattershot at best. The Book of CSS3 distills the dense technical language of the CSS3 specification into plain English and shows you what CSS3 can do right now, in all major browsers. With real-world examples and a focus on the principles of good design, it extends your CSS skills, helping you transform ordinary markup into stunning, richly-styled web pages. You'll master the latest cutting-edge CSS3 features and learn how to:

- Stylize text with fully customizable outlines, drop shadows, and other effects
- Create, position, and resize background images on the fly
- Spice up static web pages with event-driven transitions and animations
- Apply 2D and 3D transformations to text and images
- Use linear and radial gradients to create smooth color transitions
- Tailor a website's appearance to smartphones and other devices

A companion website includes up-to-date browser compatibility charts and live CSS3 examples for you to explore. The Web can be an ugly place—add a little style to it with The Book of CSS3.

Build smarter and efficient database application systems for your organization with SQL Server 2017 Key Features Build database applications by using the development features of SQL Server 2017 Work with temporal tables to get information stored in a table at any time Use adaptive querying to enhance the performance of your queries Book Description Microsoft SQL Server 2017 is the next big step in the data platform history of Microsoft as it brings in the power of R and Python for machine learning and

containerization-based deployment on Windows and Linux. Compared to its predecessor, SQL Server 2017 has evolved into Machine Learning with R services for statistical analysis and Python packages for analytical processing. This book prepares you for more advanced topics by starting with a quick introduction to SQL Server 2017's new features and a recapitulation of the possibilities you may have already explored with previous versions of SQL Server. The next part introduces you to enhancements in the Transact-SQL language and new database engine capabilities and then switches to a completely new technology inside SQL Server: JSON support. We also take a look at the Stretch database, security enhancements, and temporal tables.

Furthermore, the book focuses on implementing advanced topics, including Query Store, columnstore indexes, and In-Memory OLTP. Towards the end of the book, you'll be introduced to R and how to use the R language with Transact-SQL for data exploration and analysis. You'll also learn to integrate Python code in SQL Server and graph database implementations along with deployment options on Linux and SQL Server in containers for development and testing. By the end of this book, you will have the required information to design efficient, high-performance database applications without any hassle. What you will learn Explore the new development features introduced in SQL Server 2017 Identify opportunities for In-Memory OLTP technology Use columnstore indexes to get storage and performance improvements Exchange JSON data between applications and SQL Server Use the new security features to encrypt or mask the data Control the access to the data on the row levels Discover the potential of R and Python integration Model complex relationships with the graph databases in SQL Server 2017 Who this book is for Database developers and solution architects looking to design efficient database applications using SQL Server 2017 will find this book very useful. In addition, this book will be valuable to advanced analysis practitioners and business intelligence developers. Database consultants dealing with performance tuning will get a lot of useful information from this book as well. Some basic understanding of database concepts and T-SQL is required to get the best out of this book.

Expert author John Mueller provides a complete view of Microsoft's free Web site creation program.

Provides coverage of the Delphi language and .NET development concepts, including memory management, Reflection, GDI+, and Web forms.

Identifies differences between active server pages (ASP) and the new ASP.NET, and explains how to develop internet applications with Visual Studio .NET technology. The authors describe changes in the control model, the event model, and the separation of code from presentation, and introduce the capabilities offered by web services, web forms, HttpHandlers, HttpModules, and the XML data format. The final chapter overviews the common types of database operations performed with ADO.NET. Annotation copyrighted by Book News, Inc., Portland, OR.

Use this book as your one-stop shop for architecting a world-class DevOps environment with Microsoft technologies. .NET DevOps for Azure is a synthesis of practices, tools, and process that, together, can equip a software organization to move fast and deliver the highest quality software. The book begins by discussing the most common challenges faced by developers in DevOps today and offers options and proven solutions on how to implement DevOps for your team. Daily, millions of developers use .NET to build and operate mission-critical software systems for organizations around the world. While the marketplace has scores of information about the technology, it is completely up to you to put together all the blocks in the right way for your environment. This book provides you with a model to build on. The relevant principles are covered first along with how to implement that part of the environment. And while variances in tools, language, or requirements will change the needed implementation, the DevOps model is the architecture for the working environment for your team. You can modify parts of the model to customize it to your enterprise, but the architecture will enable all of your teams and applications to accelerate in performance. What You Will Learn Get your .NET applications into a DevOps environment in Azure Analyze and address the part of your DevOps process that causes delays or bottlenecks Track code using Azure Repos and conduct acceptance tests Apply the rules for segmenting applications into Git repositories Understand the different types of builds and when to use each Know how to think about code validation in your DevOps environment Provision and configure environments; deploy release candidates across the environments in Azure Monitor and support software that has been deployed to a production environment Who This Book Is For .NET Developers who are using or want to use DevOps in Azure but don't know where to begin

Introducing Microsoft's flagship wireless development tool The .NET Mobile Web Developer's Guide will provide readers with a solid guide to developing mobile applications using Microsoft technologies. The focus of this book is on using ASP.NET and the .NET mobile SDK. It provides an introduction to the .NET platform and goes into moderate details on ASP.NET to allow readers to start developing ASP.NET applications. In addition, this book will give the readers the insight to use the various Microsoft technologies for developing mobile applications. This book assumes the readers have experience in developing web applications and are familiar with any one of the server-side technologies like ASP, JSP or PHP. The first book available on Microsoft's cornerstone wireless development tool Best selling, high profile authors. Wei Meng Lee and Shelley Powers are frequent speakers at all of the major developer conferences have previously authored best selling books for O'Reilly and Associates, Wrox Press, SAMS and Que Comes with wallet-sized CD containing a printable HTML version of the book, all of the source code examples and demos of popular ASP .NET and .NET Mobile programming tools Comprehensive Coverage of the .NET Mobile SDK and ASP.NET for Mobile Web developers

The Hitchhiker's Guide to Python takes the journeyman Pythonista to true expertise. More than any other language, Python was created with the philosophy of simplicity and parsimony. Now 25 years old, Python has become the primary or secondary language (after SQL) for many business users. With popularity comes diversity—and possibly dilution. This guide, collaboratively written by over a hundred members of the Python community, describes best practices currently used by package and application developers. Unlike other books for this audience, The Hitchhiker's Guide is light on reusable code and heavier on design philosophy, directing the reader to excellent sources that already exist.

Microsoft's C# ("C sharp") is a modern, object-oriented programming language built from the ground up to exploit the power of XML-based Web services on Microsoft's new .NET platform. With its Visual C++ development system heritage, C# will enable millions of C and C++ developers to use existing skills to rapidly build sophisticated XML-based .NET applications. Why Will Web Developers Switch to C#? ...Because it's the ideal solution for C and C++ programmers who need to combine rapid development with the power to access all the functionality of the Microsoft.NET platform. They want an environment that is completely in sync with emerging Web standards and one that provides easy integration with existing applications. C#.net Web Developer's Guide will enhance developer productivity and help them eliminate programming errors that can lead to increased development costs. This book teaches Web developers to quickly and easily build solutions for the Microsoft .NET platform. Web developers will learn to use C# components to build Web services and applications that are available across the Internet, from any application running on any platform. * Timely coverage of newly released product - programmers and developers are anxious to learn about the new technology * Comes with Syngress' revolutionary wallet-sized CD containing a printable HTML version of the book and all of the source code examples and demos of popular C# upgrade and programming tools

Over 75% of network attacks are targeted at the web application layer. This book provides explicit hacks, tutorials, penetration tests, and step-by-step demonstrations for security professionals and Web application developers to defend their most vulnerable applications. This book defines Web application security, why it should be addressed earlier in the lifecycle in development and quality assurance, and how it differs

from other types of Internet security. Additionally, the book examines the procedures and technologies that are essential to developing, penetration testing and releasing a secure Web application. Through a review of recent Web application breaches, the book will expose the prolific methods hackers use to execute Web attacks using common vulnerabilities such as SQL Injection, Cross-Site Scripting and Buffer Overflows in the application layer. By taking an in-depth look at the techniques hackers use to exploit Web applications, readers will be better equipped to protect confidential. The Yankee Group estimates the market for Web application-security products and services will grow to \$1.74 billion by 2007 from \$140 million in 2002 Author Michael Cross is a highly sought after speaker who regularly delivers Web Application presentations at leading conferences including: Black Hat, TechnoSecurity, CanSec West, Shmoo Con, Information Security, RSA Conferences, and more

A comprehensive; detailed look at C and C++ programming; the Visual C++ environment and Windows programming. --

The Semantic Web represents a vision for how to make the huge amount of information on the Web automatically processable by machines on a large scale. For this purpose, a whole suite of standards, technologies and related tools have been specified and developed over the last couple of years and they have now become the foundation for numerous new applications. A Developer's Guide to the Semantic Web helps the reader to learn the core standards, key components and underlying concepts. It provides in-depth coverage of both the what-is and how-to aspects of the Semantic Web. From Yu's presentation, the reader will obtain not only a solid understanding about the Semantic Web, but also learn how to combine all the pieces to build new applications on the Semantic Web. The second edition of this book not only adds detailed coverage of the latest W3C standards such as SPARQL 1.1 and RDB2RDF, it also updates the readers by following recent developments. More specifically, it includes five new chapters on schema.org and semantic markup, on Semantic Web technologies used in social networks and on new applications and projects such as data.gov and Wikidata and it also provides a complete coding example of building a search engine that supports Rich Snippets. Software developers in industry and students specializing in Web development or Semantic Web technologies will find in this book the most complete guide to this exciting field available today. Based on the step-by-step presentation of real-world projects, where the technologies and standards are applied, they will acquire the knowledge needed to design and implement state-of-the-art applications.

This title is aimed at current VB developers who want to learn C#, and want a tutorial that is focused squarely on their needs, in particular on building and deploying Windows Forms applications, and data access and manipulation. This book is light on theory, but big on real-world, usable code, and full of practical examples.

Front-end development targets the browser, putting your applications in front of the widest range of users regardless of device or operating system. This guide will give you a solid foundation for creating rich web experiences across platforms. Focusing on JavaScript, CSS3, and HTML5, this book is for programmers with a background in other platforms and developers with previous web experience who need to get up to speed quickly on current tools and best practices. Each chapter of this book will guide you through essential concepts and APIs as you build a series of applications. You will implement responsive UIs, access remote web services, build applications with Ember.js, and more. You will also debug and test your code with cutting-edge development tools and harness the power of Node.js and the wealth of open-source modules in the npm registry. After working through the step-by-step example projects, you will understand how to build modern websites and web applications.

A step-by-step tutorial with plenty of code and examples to improve your learning curve. If you are a developer and want to create installers for software targeting the Windows platform, then this book is for you. You'll be using plenty of XML and ought to know the basics of writing a well-formed document. No prior experience in WiX or Windows Installer is assumed. You should know your way around Visual Studio to compile projects, add project references and tweak project properties.

"If you have any interest in writing .NET programs using Active Directory or ADAM, this is the book you want to read." —Joe Richards, Microsoft MVP, directory services Identity and Access Management are rapidly gaining importance as key areas of practice in the IT industry, and directory services provide the fundamental building blocks that enable them. For enterprise developers struggling to build directory-enabled .NET applications, The .NET Developer's Guide to Directory Services Programming will come as a welcome aid. Microsoft MVPs Joe Kaplan and Ryan Dunn have written a practical introduction to programming directory services, using both versions 1.1 and 2.0 of the .NET Framework. The extensive examples in the book are in C#; a companion Web site includes both C# and Visual Basic source code and examples. Readers will Learn to create, rename, update, and delete objects in Active Directory and ADAM Learn to bind to and search directories effectively and efficiently Learn to read and write attributes of all types in the directory Learn to use directory services within ASP.NET applications Get concrete examples of common programming tasks such as managing Active Directory and ADAM users and groups, and performing authentication Experienced .NET developers—those building enterprise applications or simply interested in learning about directory services—will find that The .NET Developer's Guide to Directory Services Programming unravels the complexities and helps them to avoid the common pitfalls that developers face.

A practical guide for developers working with the Oracle Data Provider for .NET and the Oracle Developer Tools for Visual Studio 2005

Start Small, Stay Small is a step-by-step guide to launching a self-funded startup. If you're a desktop, mobile or web developer, this book is your blueprint to getting your startup off the ground with no outside investment. This book intentionally avoids topics restricted to venture-backed startups such as: honing your investment pitch, securing funding, and figuring out how to use the piles of cash investors keep placing in your lap. This book assumes: * You don't have \$6M of investor funds sitting in your bank account * You're not going to relocate to the handful of startup hubs in the world * You're not going to work 70 hour weeks for low pay with the hope of someday making millions from stock options There's nothing wrong with pursuing venture funding and attempting to grow fast like Amazon, Google, Twitter, and Facebook. It just so happened that most people are not in a place to do this. Start Small, Stay Small also focuses on the single most important element of a startup that most developers avoid: marketing. There are many great resources for learning how to write code, organize source control, or connect to a database. This book does not cover the technical aspects developers already know or can learn elsewhere. It focuses on finding your idea, testing it before you build, and getting it into the hands of your customers.

[Copyright: 6ad2dec77794ce03581428e248d733f5](https://www.copyright.com/copyright?id=6ad2dec77794ce03581428e248d733f5)