

Programming Windows Ce Pro Developer

"Get the definitive guide to programming Windows Embedded CE--now in its fourth edition and updated for version 6.0. This practical reference focuses on the core operating system and includes extensive sample applications in Microsoft® Visual C++"--Resource description page.

Windows Embedded Compact 7 is the natural choice for developing sophisticated, small-footprint devices for both consumers and the enterprise. For this latest version, a number of significant enhancements have been made, most notably the ability to run multi-core processors and address more than the 512 MB of memory constraint in previous versions. Using familiar developer tools, Pro Windows Embedded Compact 7 will take you on a deep-dive into device driver development. You'll learn how to set up your working environment, the tools that you'll need and how to think about developing for small devices before quickly putting theory into practice and developing your own first driver from the ground up. As you delve deeper into the details of driver development, you'll learn how to master hardware details, deal with I/O and interrupts, work with networks, and test and debug your drivers ready for deployment—all in the company of an author who's been working with Windows CE for more than a decade. Packed with code samples, Pro Windows Embedded Compact 7 contains everything you'll need to start developing for small footprint devices with confidence.

25-Word Description The top-selling author shows developers how to use Visual Basic .NET to get the most out of Windows Forms -- the next-generation Windows programming class library. 75-Word Description "Look it up in Petzold" remains the last word on Windows development. In this Microsoft .NET-ready guide to the state-of-the-art programming features in Visual Basic .NET, the best-selling author shows developers how to get the most out of Windows Forms -- the next-generation Windows programming class library. Developers will discover how to use Visual Basic .NET to create dynamic user interfaces and graphical outputs for Windows applications. With dozens of examples of client applications to illustrate common techniques and plenty of no-nonsense advice on best programming practices, the average developer can advance far beyond the basics with Visual Basic .NET right away.

Tightly focused on one broad concept, that of accessing data in a range of ways using the latest Microsoft Universal Data Access technologies, this title assumes some basic knowledge of building Web sites and pages, HTML, and scripting in the browser. The book is aimed at developers who need to keep up to date on the emerging data access technologies that will shape the future.

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.

Data binding is the most important part of many business applications—and one of the most difficult things to understand. Data Binding with Windows Forms 2.0 is the first book to focus on this crucial area of development. It will quickly get you up to speed on binding data sources to Windows Forms components. The book contains clear examples in C# that work with SQL Server 2000 and SQL Server 2005. Visual Basic .NET examples are available on the book's Web site. Brian Noyes, leading consultant and speaker on .NET programming, teaches you both the theory and practice of data binding and provides numerous samples ready to run in Visual Studio 2005. From his in-depth coverage, you'll learn how to Use Visual Studio 2005 to generate a data-bound application from a database Use the new Visual Studio 2005 typed data set designer, and how and why to use typed data sets and typed data adapters Perform simple and complex binding of data to controls, and how to use the .NET 2.0 BindingSource Use the Binding object for simple binding with automatic formatting, and how to handle binding events Generate bound controls with the Visual Studio Designer, and how to use Data Sources Present data with the new DataGridView control, and how to implement advanced features of the DataGridView Implement custom data-bound controls in Windows Forms Create custom business objects and collections that are suitable for use in data binding Implement validation and error handling at the Windows Forms and data-binding levels Implement data binding with ASP.NET 2.0 and the upcoming Windows Presentation Foundation (Avalon) technologies

The market for Radio Frequency Identification (RFID) technology is expanding rapidly, constituting billions of dollars annually. As more organizations adopt RFID solutions and related equipment, the need to route, map, and execute workflows based on RFID data grows exponentially. Microsoft's solution to this demand is BizTalk RFID, an application built to distribute, track, analyze, and provide visibility into enterprise data collected using RFID technologies. To aid in the rapid understanding and adoption of BizTalk RFID, this book's authors have joined together to present Pro RFID in BizTalk Server 2009, the definitive resource for unlocking the potential of the application. With extensive code and configuration examples and multiple case studies illustrating how this application is being used in various industries, authors Ram Venkatesh, the lead developer of the BizTalk RFID platform, Mark Simms, a leading architect and developer of BizTalk RFID solutions, and Mark Beckner, a BizTalk Server and enterprise architecture specialist, ensure that you will gain the insight and master the tools necessary to be able to confidently and efficiently implement a BizTalk RFID solution.

Pro Android 2 shows how to build real-world and fun mobile applications using Google's latest Android software development kit. This new edition is updated for Android 2, covering everything from the fundamentals of building applications for embedded devices to advanced concepts such as custom 3D components, OpenGL, and touchscreens including gestures. While other Android development guides simply discuss topics, Pro Android 2 offers the combination of expert insight and real sample applications that work. Discover the design and architecture of the Android SDK through practical examples, and how to build mobile applications using the Android SDK. Explore and use the Android APIs, including those for media and Wi-Fi. Learn about Android 2's integrated local and web search, handwriting gesture UI, Google Translate, and text-to-speech features. Pro Android 2 dives deep, providing you with all the knowledge and techniques you need to build mobile applications ranging from games to Google apps, including add-ons to Google Docs. You'll be able to extend and run the new Google Chrome APIs on the G1, the G2, and other next-generation Google phones and Android-enabled devices.

When it comes to network security, many users and administrators are running scared, and justifiably so. The sophistication of attacks against computer systems increases with each new Internet worm. What's the worst an attacker can do to you? You'd better find out, right? That's what Security Warrior teaches you. Based on the principle that the only

way to defend yourself is to understand your attacker in depth, Security Warrior reveals how your systems can be attacked. Covering everything from reverse engineering to SQL attacks, and including topics like social engineering, antifoensics, and common attacks against UNIX and Windows systems, this book teaches you to know your enemy and how to be prepared to do battle. Security Warrior places particular emphasis on reverse engineering. RE is a fundamental skill for the administrator, who must be aware of all kinds of malware that can be installed on his machines -- trojaned binaries, "spyware" that looks innocuous but that sends private data back to its creator, and more. This is the only book to discuss reverse engineering for Linux or Windows CE. It's also the only book that shows you how SQL injection works, enabling you to inspect your database and web applications for vulnerability. Security Warrior is the most comprehensive and up-to-date book covering the art of computer war: attacks against computer systems and their defenses. It's often scary, and never comforting. If you're on the front lines, defending your site against attackers, you need this book. On your shelf--and in your hands.

With an iPAQ in your pocket, you have a whole world of technology literally at your fingertips. The iPAQ is not only a PDA, it's also a Pocket PC. You can do almost anything on your iPAQ that you can do at home on your desktop computer—if you know how to use all its really cool features. And there are so many of them! iPAQ For Dummies boils down all this complicated, amazing technology into understandable pieces. Whether you've never used a Pocket PC before or you're just new to the iPAQ, this handy guide will help you navigate the iPAQ interface. Use the address book and calendar. Schedule appointments. Sync your iPAQ with your desktop. Back up your files. Create pocket spreadsheets, and more. At the heart of iPAQ's power is the new Windows Mobile 2003 operating system, with its improved security and network support, better Web browsing, and smoother synchronization. Use e-mail, calendars, and contacts. iPAQ For Dummies shows you how to use that power to use the menus, change your screen settings, and establish a password. Enter information into your iPAQ in various ways. Surf the Web, read e-mail and e-books, and download music. Create documents and spreadsheets with the pocket versions of Word, Excel, and Money. Manage your calendar, contacts, and "to do" list. Entertain yourself with games while you wait for that appointment. Edit and display photos on your iPAQ, and much more. You can even connect a GPS and all sorts of other cool add-ons to your iPAQ. iPAQ For Dummies tells you the best choices, what they do, and how to use them. With an iPAQ in one hand and this book in the other, you'll be able to do things you never thought possible.

"Here is the definitive guide to programming the Windows CE API--now in its third edition, with details on how to use Windows CE .NET to design high-performance applications for smart devices"--Resource description page.

This second Preview Edition ebook, now with 16 chapters, is about writing applications for Xamarin.Forms, the new mobile development platform for iOS, Android, and Windows phones unveiled by Xamarin in May 2014. Xamarin.Forms lets you write shared user-interface code in C# and XAML that maps to native controls on these three platforms.

When developing apps for the latest smartphones, you're faced with several vexing questions. How many platforms do you need to accommodate? What level of support do mobile browsers provide? To help you address these and many other key issues, this guide provides a hands-on tour of the most powerful JavaScript frameworks available today. You'll build sample apps with jQuery Mobile, Sencha Touch, and PhoneGap to learn the unique advantages—and disadvantages—of each framework. From there, you can determine which one is best for your project. This book is ideal for web developers familiar with JavaScript, HTML, and CSS. Experience the simplicity of jQuery Mobile for building cross-browser applications. Learn how Sencha Touch's architecture, widgets, and blazing-fast rendering engine makes it a good choice for enterprise software. Use PhoneGap to package your web app into a native iOS, Android, or Windows Phone application. Discover the impact of various HTML5 features on mobile app development. Pick up JavaScript productivity tips as you delve into its object orientation, closures, and coding conventions. Test and debug your app with a collection of tips, tricks, and tools.

The Windows Phone 7 platform provides a remarkable opportunity for Windows developers to create state-of-the-art mobile applications using their existing skills and a familiar toolset. For iOS and Android developers, this book provides the right level of content to help developers rapidly come up to speed on Windows Phone. Pro Windows Phone 7 Development will help you unlock the potential of this platform and create dazzling, visually rich, and highly functional applications for the Windows Phone Marketplace. For developers new to the Windows Phone 7 platform, whether .NET, iPhone, or Android developers, this book starts by introducing you to the features and specifications of the Windows Phone series, and then leads you through the complete application development process. You'll learn how to use Microsoft technologies like Silverlight, .NET, the XNA Framework, Visual Studio, and Expression Blend effectively, how to take advantage of the available sensors such as the location service, accelerometer, and touch, make your apps location-aware using GPS data, utilize the rich media capabilities of the Windows Phone series, and much more. Finally, you'll receive a full tutorial on how to publish and sell your application through the Windows Phone Marketplace.

MobiSec 2010 was the second ICST conference on security and privacy in mobile information and communication systems. With the vast area of mobile technology research and application, the intention behind the creation of MobiSec was to make a small, but unique contribution to build a bridge between top-level research and large scale application of novel kinds of information security for mobile devices and communication.

Learn the theory behind cross-platform development, and put the theory into practice with code using the invaluable information presented in this book. With in-depth coverage of development and distribution techniques for iPhone, BlackBerry, Windows Mobile, and Android, you'll learn the native approach to working with each of these platforms. With detailed coverage of emerging frameworks like PhoneGap and Rhomobile, you'll learn the art of creating applications that will run across all devices. You'll also be introduced to the code-signing process and the distribution of applications through the major application stores, including Research In Motion (BlackBerry), Apple, and Microsoft.

Help drive the next wave of smart, connected devices. Guided by two experts on Windows Embedded CE, you'll examine the core architecture, tools, and techniques that streamline the development process—and help get your ideas to market faster. Discover how to: Install the development environment and toolset Apply the device-planning practices that help optimize development time and resources Exploit the unified build system, including batch file and console utilities Use—or create—board support packages for hardware-specific code Dig into driver infrastructure, classes, and development processes Design and configure a custom run-time image Test and verify devices with the Windows Embedded CE Test Kit Create an SDK to extend your application to third-party developers

Master the intricacies of application development with unmanaged C++ code—straight from the experts. Jeffrey Richter's classic book is now fully revised for Windows XP, Windows Vista, and Windows Server 2008. You get in-depth, comprehensive guidance, advanced techniques, and extensive code samples to help you program Windows-based applications. Discover how to: Architect and implement your applications for both 32-bit and 64-bit Windows Create and manipulate processes and jobs Schedule, manage, synchronize and destroy threads Perform asynchronous and synchronous device I/O operations with the I/O completion port Allocate memory using various techniques including virtual memory, memory-mapped files, and heaps Manipulate the default committed physical storage of thread stacks Build DLLs for delay-loading, API hooking, and process injection Using structured exception handling, Windows Error Recovery, and Application Restart services

This will be the only book on the market with in-depth coverage of using Message Queuing from .NET code – it won't just be the number one in its category; it will be the only book in its category. * The only book targeted at developers with in-depth coverage of MSMQ 3.0 and MSMQ triggers * The only MSMQ book that covers working with the PocketPC Covers VB, C++, and C# and will appeal to all developers using MSMQ, no matter what language they use Highlights problems such as the lack of support for the System.Messaging namespace in the .NET Compact Framework and shows how to get around the problems

"Building Powerful Platforms with Windows CE" is a comprehensive, practical guide on the use of the Microsoft Windows CE Platform Builder. Drawing on the authors' extensive industry experience, this book provides proven methods and real-world advice for the complete system integration of Windows CE on various platforms. It also examines how to adapt Windows CE to support a platform's unique features. This book describes the Windows CE architecture in depth, explaining the rationale behind its design. It shows how to use the Platform Builder to quickly create a custom build of the Windows CE kernel and explores the complex and powerful Windows CE build process. Extensive information is provided on designing, implementing, and debugging Windows CE device drivers. A utility called the Driver Mapper is presented as an example device driver that doubles as a valuable tool for debugging device drivers on standard CE devices (e.g., H/PC, H/PC Pro, and Palm-sized PC devices. Other valuable features include the following: A project leader and manager's guide to the steps involved in completing a CE custom platform project Creating and debugging a CE boot loader Modifying the Platform Builder's OEM Adaptation Layer (OAL) sample source to work with a newly developed platform. An introduction to writing CE display drivers. Automated testing with the Windows CE Device Driver Test Toolkit (DDTK) A simplified, automated build process for creating ROM images If you want to get Windows CE running on your platform, you will find this hands-on guide an indispensable resource for accelerating your progress and saving you much frustration! 020161636XB04062001

Authored by two of the leading authorities in the field, this guide offers readers the knowledge and skills needed to achieve proficiency with embedded software.

Practical explanations are given of Microsoft's networking APIs. This definitive reference covers the network programming interfaces available on the Windows 98, Windows NT/200, and Windows CE platforms. The CD-ROM features reusable code examples in Visual C++.

"Look it up in Petzold" remains the decisive last word in answering questions about Windows development. And in PROGRAMMING WINDOWS, FIFTH EDITION, the esteemed Windows Pioneer Award winner revises his classic text with authoritative coverage of the latest versions of the Windows operating system—once again drilling down to the essential API heart of Win32 programming. Topics include: The basics—input, output, dialog boxes An introduction to Unicode Graphics—drawing, text and fonts, bitmaps and metafiles The kernel and the printer Sound and music Dynamic-link libraries Multitasking and multithreading The Multiple-Document Interface Programming for the Internet and intranets Packed as always with definitive examples, this newest Petzold delivers the ultimate sourcebook and tutorial for Windows programmers at all levels working with Microsoft Windows 95, Windows 98, or Microsoft Windows NT. No aspiring or experienced developer can afford to be without it. An electronic version of this book is available on the companion CD. For customers who purchase an ebook version of this title, instructions for downloading the CD files can be found in the ebook.

Hundreds of millions of Americans are using social media (SM), and already some 70% of businesses have joined them there, using Facebook and other SM platforms to connect with their customers, and attract new ones. So the real question isn't whether to take your business onto social media platforms—but how to do it quickly, effectively, on a budget, with smart goals, and a road map for success. Advanced Social Media Marketing: How to Lead, Launch, and Manage a Successful Social Media Program cuts through the hype and fluff about how social media is changing the world, and it gets down to what really matters: How you as a manager can best use SM to benefit your business. Written by a veteran online marketer and ecommerce professional, the book shares practical strategies and tactics to let you launch and scale a successful corporate social media program. Advanced Social Media Marketing: How to Lead, Launch, and Manage a Successful Social Media Program is for the manager who already knows something about social media and wants to roll up his or her sleeves and get down to business. In it, we simplify tasks that might otherwise be complicated—like adopting and tracking key performance metrics, developing online ad campaigns, or creating Facebook apps like games, giveaways and sweepstakes with the capacity to go viral. Businesses can harness the unique advantages of this new medium, but they need a practical, no-nonsense guide like this one. Otherwise they risk being ignored, wasting time and money or, even worse, damaging their own brand and seeing a well-intentioned online program blow up. The book is heavy on the how-to, case studies, campaign results and other statistics, and interviews with ecommerce managers at businesses large and small. It also includes the author's own experiences at Green Mountain Coffee Roasters, Wine of the Month Club, and others. While this book will be accessible enough for someone implementing a social media program for the first time, it's ambitious enough to benefit experienced SM hands who are looking for good ideas and techniques to push their online community to the next level of size, interactivity, and buzz.

This book will provide you with a comprehensive guide to developing games for both the Windows Mobile platform and the

Windows Phone using the industry standard programming languages C# and VB .NET. You will be walked through every aspect of developing for the Windows Mobile platform—from setting up your development environment for the first time to creating advanced 3D graphics. Finally, you'll learn how you can make your applications available to others, whether distributing for free or selling online. Using extensive code samples throughout, you'll gather all the information needed to create your own games and distribute them successfully for others to enjoy. Aimed primarily at C# developers, almost everything in the book can be used in VB .NET too. For those areas where this is not the case, workarounds are suggested so that VB .NET developers are still able to use the techniques described.

The miniature web applications known as gadgets (or widgets) are a key component of the distributed web and an ideal way to publish your content far beyond the reach of your own web site. Packaging web content and functionality into a gadget enables it to be seen anywhere from iGoogle to the iPhone—wherever the user may be, on or off the traditional web. Everyone can access your content without having to visit your web site. This book is a practical guide to building gadgets that will work everywhere, from handheld devices to any site on the web. The core methodology is to develop a single code base that will run on all platforms, multiplying the syndication opportunities for maximum return on your development investment. Extending this approach is a technique of abstracting key API calls from the various gadget platforms into a single interface layer, implemented in the book as a compact JavaScript class, allowing your gadgets full access to every platform's power without your having to rewrite your code for each. Learn the key concepts for successfully syndicating web content via gadgets. Build platform-agnostic gadgets that run on all the major web portals. Deploy your gadgets to web-enabled handheld devices.

Pro XAML with C#: Application Development Strategies is your guide to real-world development practices on Microsoft's XAML-based platforms, with examples in WPF, Windows 8.1, and Windows Phone 8.1. Learn how to properly plan and architect an application on one or more of these platforms for a robust, scalable solution. In Part I, authors Buddy James and Lori Lalonde introduce you to XAML and reveal proven techniques for developing successful line-of-business applications. You'll also find out about some of the conflicting needs and interests that you might encounter as an enterprise XAML developer. Part II begins to lay the groundwork to help you properly architect your application, providing you with a deeper understanding of domain-driven design and the Model-View-ViewModel design pattern. You will also learn about proper exception handling and logging techniques, and how to cover your code with unit tests to reduce bugs and validate your design. Part III explores implementation and deployment details for each of Microsoft's XAML UIs, along with advice on deploying and maintaining your application across different devices using version control repositories and continuous integration. Pro XAML with C#: Application Development Strategies is for intermediate to experienced developers looking to improve their professional practice. Readers should have experience working with C# and at least one XAML-based technology (WPF, Silverlight, Windows Store, or Windows Phone).

The Windows Phone 7 platform, now recently updated, provides a remarkable opportunity for Windows developers to create state-of-the-art mobile applications using their existing skills and a familiar toolset. Pro Windows Phone 7 Development, Second Edition helps you unlock the potential of this platform and create dazzling, visually rich, and highly functional applications for the Windows Phone Marketplace—including using new features like copy-and-paste and API improvements in the NoDo and Mango update waves. For developers new to the Windows Phone platform—whether .NET, iPhone, or Android developers—this book starts by introducing the features and specifications of the Windows Phone series, and then leads you through the complete application development process. You'll learn how to use Microsoft technologies like Silverlight, .NET, the XNA Framework, Visual Studio, and Expression Blend effectively, how to take advantage of the device's sensors with the location service, accelerometer, and touch, how to make your apps location-aware using GPS data, how to utilize the rich media capabilities of the Windows Phone series, and much more. Finally, you'll receive a full tutorial on how to publish and sell your application through the Windows Phone Marketplace. And in this second edition, learn quickly and easily how to take advantage of new API capabilities and HTML5 support right in your browser.

You're part of a new venture, an independent gaming company, and you are about to undertake your first development project. The client wants a serious game, one with instructional goals and assessment metrics. Or you may be in a position to green light such a project yourself, believing that it can advance your organization's mission and goals. This book provides a proven process to take an independent game project from start to finish. In order to build a successful game, you need to wear many hats. There are graphic artists, software engineers, designers, producers, marketers - all take part in the process at various (coordinated) stages, and the end result is hopefully a successful game. Veteran game producers and writers (Iuppa and Borst) cover all of these areas for you, with step by step instructions and checklists to get the work done. The final section of the book offers a series of case studies from REAL indy games that have been developed and launched successfully, and show exactly how the principles outlined in the book can be applied to real world products. The book's associated author web site offers ancillary materials & references as well as serious game demos and presentations.

Today's Web 2.0 applications (think Facebook and Twitter) go far beyond the confines of the desktop and are widely used on mobile devices. The mobile Web has become incredibly popular given the success of the iPhone and BlackBerry, the importance of Windows Mobile, and the emergence of Palm Pre (and its webOS platform). At Apress, we are fortunate to have Gail Frederick of the well-known training site Learn the Mobile Web offer her expert advice in Beginning Smartphone Web Development. In this book, Gail teaches the web standards and fundamentals specific to smartphones and other feature-driven mobile phones and devices. Shows you how to build interactive mobile web sites using web technologies optimized for browsers in smartphones Details markup fundamentals, design principles, content adaptation, usability, and interoperability Explores cross-platform standards and best practices for the mobile Web authored by the W3C, dotMobi, and similar organizations Dives deeps into the feature sets of the most popular mobile browsers, including WebKit, Chrome, Palm Pre webOS, Pocket IE, Opera Mobile, and Skyfire By the end of this book, you'll have the training, tools, and techniques for creating robust mobile web experiences on any of these platforms for your favorite smartphone or other mobile device.

PCMag.com is a leading authority on technology, delivering Labs-based, independent reviews of the latest products and services. Our expert industry analysis and practical solutions help you make better buying decisions and get more from technology.

In Pro OpenGL ES for Android, you'll find out how to harness the full power of OpenGL ES, and design your own 3D applications by building a fully-functional 3D solar system model using Open GL ES! OpenGL has set the standard for 3D computer graphics, and is an essential aspect of Android development. This book offers everything you need to know, from basic mathematical concepts to advanced coding techniques. You'll learn by building a fascinating 3D solar system simulator! After introducing Open

GL ES, Pro OpenGL ES for Android explains the basics of 3D math and then orients you to the native Android 3D libraries you'll be using in your own 3D games and the solar system project you'll build using this book. Through the solar system example project, you'll learn how to incorporate a variety of graphic and animation techniques into your applications. You will also discover how the full spectrum of 3D development that awaits, with topics such as lighting, texture-mapping, modeling, shaders, blending modes, and several more advanced concepts. By the time you finish Pro OpenGL ES for Android, you'll have learned all the skills you'll need to build your own incredible 3D applications, based on one of the most powerful 3D libraries available.

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