

# Windows Developer Power Tools Turbocharge Windows Development With More Than 170 Free And Open Source Tools Jim Holmes

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As the official publication for Windows Vista, we cover Microsoft's latest OS with more depth, passion and clarity than any other magazine on the market. Each issue is packed with tips, tricks and service elements on every page. We give you an insider's tour of the operating system and illustrate how to get the most out of your PC.

Popular Science gives our readers the information and tools to improve their technology and their world. The core belief that Popular Science and our readers share: The future is going to be better, and science and technology are the driving forces that will help make it better.

InfoWorld is targeted to Senior IT professionals. Content is segmented into Channels and Topic Centers. InfoWorld also celebrates people, companies, and projects.

This is book about life, researches, ideas, innovations of Dr. Sci., professor Alexander Bolonkin. He worked in Soviet aviation, rocket and space industries and lectured in main Moscow Universities in the former USSR. In 1972 professor Bolonkin was arrested by the notorious Soviet Secret Police (KGB) because he had been discovered reading forbidden political literature about freedom and democracy and had been monitored listening to "Voice of America." For more than 15 years, the vicious YGB torturers in various special prisons, concentration camps, and in exile in utterly miserable Siberia. In 1988 the Soviet authority allowed him to leave the USSR. Following his arrival in the United States in 1988, he lectured at the New Jersey Institute of Technology and worked as a Senior Researcher at NASA and the US Air Force Research Laboratories. Bolonkin is the author of more than 180 scientific articles and books and has 17 inventions to his credit.

Book + Content Update Program "Beyond just describing the basics, this book dives into best practices every aspiring microservices developer or architect should know." —Foreword by Corey Sanders, Partner Director of Program Management, Azure Microservice-based applications enable unprecedented agility and ease of management, and Docker containers are ideal for building them. Microsoft Azure offers all the foundational technology and higher-level services you need to develop and run any microservices application. Microservices with Docker on Microsoft Azure brings together essential knowledge for creating these applications from the ground up, or incrementally deconstructing monolithic applications over time. The authors draw on their pioneering experience helping to develop Azure's microservices features and collaborating with Microsoft product teams who've relied on microservices architectures for years. They illuminate the benefits and challenges of microservices development and share best practices all developers and architects should know. You'll gain hands-on expertise through a detailed sample application, downloadable at [github.com/flakio/flakio.github.io](https://github.com/flakio/flakio.github.io). Step by step, you'll walk through working with services written in Node.js, Go, and ASP.NET 5, using diverse data stores (mysql, elasticsearch, block storage). The authors guide you through using Docker Hub as a service registry, and Microsoft Azure Container service for cluster management and service orchestration. Coverage includes: Recognizing how microservices architectures are different, and when they make sense Understanding Docker containers in the context of microservices architectures Building, pulling, and layering Docker images Working with Docker volumes, containers, images, tags, and logs Using Docker Swarm, Docker Compose, and Docker Networks Creating Docker hosts

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using the Azure portal, Azure Resource Manager, the command line, docker-machine, or locally via Docker toolbox Establishing development and DevOps environments to support microservices applications Making the most of Docker's continuous delivery options Using Azure's cluster and container orchestration capabilities to operate and scale containerized microservices applications with maximum resilience Monitoring microservices applications with Azure Diagnostics, Visual Studio Application Insights, and Microsoft Operations Management Suite Developing microservices applications faster and more effectively with Azure Service Fabric An extensive sample application demonstrating the microservices concepts discussed throughout the book is available online In addition, this book is part of InformIT's exciting new Content Update Program, which provides content updates for major technology improvements! As significant updates are made to Docker and Azure, sections of this book will be updated or new sections will be added to match the updates to the technologies. As updates become available, they will be delivered to you via a free Web Edition of this book, which can be accessed with any Internet connection. To learn more, visit [informit.com/cup](http://informit.com/cup). How to access the Web Edition: Follow the instructions inside to learn how to register your book to access the FREE Web Edition.

Acres of Windows 8 tweaks from a Microsoft MVP and creator of Tweaks.com! From a Microsoft MVP, who is also the savvy creator of Tweaks.com, comes this ultimate collection of Windows 8 workarounds. Steve Sinchak takes you way beyond default system settings, deep under the hood of Windows 8, down to the hidden gems that let you customize your Windows 8 system like you wouldn't believe. From helping you customize the appearance to setting up home networking, sharing media, and squeezing every ounce of performance out of the OS, this book delivers. Get ready to rock and roll with Windows 8! Uncovers hidden gems to help you get the most out of Windows 8 Bypasses the default system settings to show you how to customize the login and start screens, unlock hidden settings, supercharge your network speed, get rid of features you hate, and more Provides over 400 pages of workarounds and tweaks, including many high-level ones for you hotshot techies who really love to reshape an OS and make it your own Offers expert guidance and insight from author Steve Sinchak, a Microsoft MVP and creator of Tweaks.com Start tweaking and make Windows 8 your own with Windows 8 Tweaks.

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Windows Developer Power Tools Turbocharge Windows Development with More Than 170 Free and Open Source Tools"O'Reilly Media, Inc."

Attention all SQL Pros, DAX is not just for writing Excel-based formulas! Get hands-on learning and expert advice on how to use the vast capabilities of the DAX language to solve common data modeling challenges. Beginning DAX with Power BI teaches key concepts such as mapping techniques from SQL to DAX, filtering, grouping, joining, pivoting, and using temporary tables, all aimed at the SQL professional. Join author Philip Seamark as he guides you on a journey through typical business data transformation scenarios and challenges, and teaches you, step-by-step, how to resolve challenges using DAX. Tips, tricks, and shortcuts are included and explained, along with examples of the SQL equivalent, in order to accelerate learning. Examples in the book range from beginner to advanced, with plenty of detailed explanation when walking through each scenario. What You'll Learn Turbocharge your Power BI model by adding advanced DAX programming techniques Know when to use calculated measures versus calculated columns Generate new tables on the fly from existing data Optimize, monitor, and tune Power BI to improve performance of your models Discover new ideas, tricks, and time-saving techniques for better models Who This Book Is For Business intelligence developers, business analysts, or any SQL user who wants to use Power BI as a

reporting tool. A solid understanding of SQL is recommended, as examples throughout the book include the DAX equivalents to SQL problem/solution scenarios.

Master Powerful Off-the-Shelf Business Solutions for AI and Machine Learning Pragmatic AI will help you solve real-world problems with contemporary machine learning, artificial intelligence, and cloud computing tools. Noah Gift demystifies all the concepts and tools you need to get results—even if you don't have a strong background in math or data science. Gift illuminates powerful off-the-shelf cloud offerings from Amazon, Google, and Microsoft, and demonstrates proven techniques using the Python data science ecosystem. His workflows and examples help you streamline and simplify every step, from deployment to production, and build exceptionally scalable solutions. As you learn how machine language (ML) solutions work, you'll gain a more intuitive understanding of what you can achieve with them and how to maximize their value. Building on these fundamentals, you'll walk step-by-step through building cloud-based AI/ML applications to address realistic issues in sports marketing, project management, product pricing, real estate, and beyond. Whether you're a business professional, decision-maker, student, or programmer, Gift's expert guidance and wide-ranging case studies will prepare you to solve data science problems in virtually any environment. Get and configure all the tools you'll need Quickly review all the Python you need to start building machine learning applications Master the AI and ML toolchain and project lifecycle Work with Python data science tools such as IPython, Pandas, Numpy, Jupyter Notebook, and Sklearn Incorporate a pragmatic feedback loop that continually improves the efficiency of your workflows and systems Develop cloud AI solutions with Google Cloud Platform, including TPU, Colaboratory, and Datalab services Define Amazon Web Services cloud AI workflows, including spot instances, code pipelines, boto, and more Work with Microsoft Azure AI APIs Walk through building six real-world AI applications, from start to finish Register your book for convenient access to downloads, updates, and/or corrections as they become available. See inside book for details.

In 2004, Kentaro Toyama, an award-winning computer scientist, moved to India to start a new research group for Microsoft. Its mission: to explore novel technological solutions to the world's persistent social problems. Together with his team, he invented electronic devices for under-resourced urban schools and developed digital platforms for remote agrarian communities. But after a decade of designing technologies for humanitarian causes, Toyama concluded that no technology, however dazzling, could cause social change on its own. Technologists and policy-makers love to boast about modern innovation, and in their excitement, they exuberantly tout technology's boon to society. But what have our gadgets actually accomplished? Over the last four decades, America saw an explosion of new technologies – from the Internet to the iPhone, from Google to Facebook – but in that same period, the rate of poverty stagnated at a stubborn 13%, only to rise in the recent recession. So, a golden age of innovation in the world's most advanced country did nothing for our most prominent social ill. Toyama's warning resounds: Don't believe the hype! Technology is never the main driver of social progress. Geek Heresy inoculates us against the glib rhetoric of tech utopians by revealing that technology is only an amplifier of human conditions. By telling the moving stories of extraordinary people like Patrick Awuah, a Microsoft millionaire who left his lucrative engineering job to open Ghana's first liberal arts university, and Tara Sreenivasa, a graduate of a remarkable South Indian school that takes children from dollar-a-day families into the high-tech offices of Goldman Sachs and Mercedes-Benz, Toyama shows that even in a world steeped in technology, social challenges are best met with deeply social solutions.

Software developers need to work harder and harder to bring value to their development process in order to build high quality applications and remain competitive. Developers can accomplish this by improving their productivity,

quickly solving problems, and writing better code. A wealth of open source and free software tools are available for developers who want to improve the way they create, build, deploy, and use software. Tools, components, and frameworks exist to help developers at every point in the development process. Windows Developer Power Tools offers an encyclopedic guide to more than 170 of these free tools to help developers build top-notch Windows software from desktop applications to web services. To help you choose the right tools for solving both common and uncommon problems you face each day, this book follows a unique task-oriented organization, laying out topics in the same order that you and your team are likely to encounter them as you work on a project. Each tool entry features a solid introduction -- a mini user's guide -- so you can get up to speed quickly and understand how to best use the tool in your environment. Inside, you'll find:

- A guide to more than 170 tools covering 24 unique aspects of Windows and .NET software development, with many descriptions contributed by the tools' authors
- Descriptions of freely available ASP.NET and Windows Forms controls, object relational mapping systems, testing frameworks, and build and continuous integration tools
- Articles on tools to help developers troubleshoot misbehaving applications
- Guides for utilities to boost productivity in the development environment as well as speeding up tasks in Windows itself

"Quick pick" lists at the start of each chapter to help you find and choose the right tool for your task "At a Glance" and "In a Nutshell" summaries to help readers more quickly narrow their options References to an online book site to keep you up-to-date with new releases and features Forewords by Mike Gunderloy (Larkware) and Scott Hanselman ([www.hanselman.com/tools](http://www.hanselman.com/tools)), operators of the two most popular tools sites for Microsoft developers. Also, plenty of links in each article point you to additional detail online if you wish to delve more deeply into features and functionality. This one-stop resource covers a wide range of open source and freeware tools to help you answer questions around planning, developing, testing, and rolling out great software. Best of all, they're free.

For more than 20 years, Network World has been the premier provider of information, intelligence and insight for network and IT executives responsible for the digital nervous systems of large organizations. Readers are responsible for designing, implementing and managing the voice, data and video systems their companies use to support everything from business critical applications to employee collaboration and electronic commerce.

This is the eBook version of the print title, *Framework Design Guidelines, Second Edition*. Access to all the samples, applications, and content on the DVD is available through the product catalog page

[www.informit.com/title/9780321545619](http://www.informit.com/title/9780321545619) Navigate to the "Downloads" tab and click on the "DVD Contents" links - see instructions in back pages of your eBook. *Framework Design Guidelines, Second Edition*, teaches developers the best practices for designing reusable libraries for the Microsoft .NET Framework. Expanded and updated for .NET 3.5, this new edition focuses on the design



issues that directly affect the programmability of a class library, specifically its publicly accessible APIs. This book can improve the work of any .NET developer producing code that other developers will use. It includes copious annotations to the guidelines by thirty-five prominent architects and practitioners of the .NET Framework, providing a lively discussion of the reasons for the guidelines as well as examples of when to break those guidelines. Microsoft architects Krzysztof Cwalina and Brad Abrams teach framework design from the top down. From their significant combined experience and deep insight, you will learn The general philosophy and fundamental principles of framework design Naming guidelines for the various parts of a framework Guidelines for the design and extending of types and members of types Issues affecting—and guidelines for ensuring—extensibility How (and how not) to design exceptions Guidelines for—and examples of—common framework design patterns Guidelines in this book are presented in four major forms: Do, Consider, Avoid, and Do not. These directives help focus attention on practices that should always be used, those that should generally be used, those that should rarely be used, and those that should never be used. Every guideline includes a discussion of its applicability, and most include a code example to help illuminate the dialogue. Framework Design Guidelines, Second Edition, is the only definitive source of best practices for managed code API development, direct from the architects themselves. A companion DVD includes the Designing .NET Class Libraries video series, instructional presentations by the authors on design guidelines for developing classes and components that extend the .NET Framework. A sample API specification and other useful resources and tools are also included.

A wealth of open and free software is available today for Windows developers who want to extend the development environment, reduce development effort, and increase productivity. This encyclopedic guide explores more than 100 free and open source tools available to programmers who build applications for Windows desktops and servers.

"A classic."—Jay Conrad Levinson, author of *Guerrilla Marketing* Chet Holmes has been called "one of the top 20 change experts in the country." His advice starts with one simple concept: focus! Instead of trying to master four thousand strategies to improve your business, zero in on the few essential skill areas that make the big difference—and practice them over and over with pigheaded discipline. *The Ultimate Sales Machine* shows you how to tune up and soup up virtually every part of your business by spending just an hour per week on each impact area you want to improve. Like a tennis player who hits nothing but backhands for a few hours a week to perfect his game, you can systematically improve each key area. With his real-life examples and a trademark tell-it-like-it-is style, Holmes offers proven strategies for:

- Management: Teach your people how to work smarter, not harder
- Marketing: Get more bang from your Web site, advertising, trade shows, and public relations
- Sales: Perfect every sales interaction by working on sales, not just in sales

*The Ultimate Sales Machine* will put you and your company on a path to success and help you stay there!

"This textbook covers all the theory and technology sections that students need to learn in order to pass level 1, 2 and 3 automotive courses from the Institute of Motor Industry, City & Guilds and other exam boards. It has been produced in partnership with ATT Training and is a

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companion to their online learning resources. Learning is made more enjoyable and effective as the topics in the book are supported with online activities, video footage, assessments and further reading. If you are using ATT Training materials then this is the ideal textbook for your course"--

Jeff Lawson, software developer turned CEO of Twilio, creates a new playbook for unleashing the full potential of software developers in any organization, showing how to help management utilize this coveted and valuable workforce to enable growth, solve a wide range of business problems and drive digital transformation. From banking and retail to insurance and finance, every industry is turning digital, and every company needs the best software to win the hearts and minds of customers. The landscape has shifted from the classic build vs. buy question, to one of build vs. die. Companies have to get this right to survive. But how do they make this transition? Software developers are sought after, highly paid, and desperately needed to compete in the modern, digital economy. Yet most companies treat them like digital factory workers without really understanding how to unleash their full potential. Lawson argues that developers are the creative workforce who can solve major business problems and create hit products for customers—not just grind through rote tasks. From Google and Amazon, to one-person online software companies—companies that bring software developers in as partners are winning. Lawson shows how leaders who build industry changing software products consistently do three things well. First, they understand why software developers matter more than ever. Second, they understand developers and know how to motivate them. And third, they invest in their developers' success. As a software developer and public company CEO, Lawson uses his unique position to bridge the language and tools executives use with the unique culture of high performing, creative software developers. *Ask Your Developer* is a toolkit to help business leaders, product managers, technical leaders, software developers, and executives achieve their common goal—building great digital products and experiences. How to compete in the digital economy? In short: *Ask Your Developer*.

Transform an average car or truck into a turbocharged high performance street machine. A handbook on theory and application of turbocharging for street and high-performance use, this book covers high performance cars and trucks. This comprehensive guide features sections on theory, indepth coverage of turbocharging components, fabricating systems, engine building and testing, aftermarket options and project vehicles.

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