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Linux Application Development 2nd Edition

Michael K. Johnson, Erik W. Troan



Linux Application Development 2nd Edition:

Linux Application Development, Second Edition Michael K. Johnson, 2004 *Linux Application Development, 2/e* Michael K. Johnson, 2005 *Linux Application Development* Michael K. Johnson, Erik W. Troan, 2005 The first edition of this book has always been kept within arm's reach of my desk due to the wonderful explanations of all areas of the Linux userspace API. This second edition greatly overshadows the first one and will replace it. Greg Kroah-Hartman, Linux kernel programmer. Develop Software that Leverages the Full Power of Today's Linux. *Linux Application Development Second Edition* is the definitive reference for Linux programmers at all levels of experience including C programmers moving from other operating systems. Building on their widely praised first edition, leading Linux programmers Michael Johnson and Erik Troan systematically present the key APIs and techniques you need to create robust, secure, efficient software or to port existing code to Linux. This book has been fully updated for the Linux 2.6 kernel, GNU C library version 2.3, the latest POSIX standards, and the Single Unix Specification Issue 6. Its deep coverage of Linux-specific extensions and features helps you take advantage of the full power of contemporary Linux. Along the way, the authors share insights, tips, and tricks for developers working with any recent Linux distribution and virtually any version of Unix. Topics include: Developing in Linux, understanding the operating system, licensing and documentation, the development environment, compilers, linker and loader, and unique debugging tools. System programming, process models, file handling, signal processing, directory operations, and job control. Terminals, sockets, timers, virtual consoles, and the Linux console. Development libraries, string matching, terminal handling, command line parsing, authentication, and more. Hundreds of downloadable code samples. New to this edition: The GNU C library, glibc, underlying standards and test macros. Writing secure Linux programs, system daemons, and utilities. Significantly expanded coverage of memory debugging, including Valgrind and mpr. Greatly improved coverage of regular expressions. IPv6 networking coverage, including new system library interfaces for using IPv6 and IPv4 interchangeably. Coverage of strace, ltrace, real-time signals, poll, and epoll system calls. Popt library improvements. Pluggable Authentication Modules, PAM, qdbm, and much more. Improved index and glossary, plus line-numbered code examples. [Application Development with Qt Creator - Second Edition](#) Ray Rischpater, 2014-11-27 This book is great for developers who are new to Qt and Qt Creator and who are interested in harnessing the power of Qt for cross-platform development. If you have basic experience programming in C, you have what it takes to create engaging cross-platform applications using Qt and Qt Creator. [Tkinter GUI Application Development Blueprints, Second Edition](#) Bhaskar Chaudhary, 2018-03-20 Geometry, Management, Event Handling, and more. Key Features: A practical guide to learn the application of Python and GUI programming with tkinter. Create multiple cross-platform real-world projects by integrating host of third-party libraries and tools. Learn to build beautiful and highly interactive user interfaces targeting multiple devices. Book Description: Tkinter is the built-in GUI package that comes with standard Python distributions. It is a cross-platform package which means you build once and deploy

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Rapid Web Applications with TurboGears Mark Ramm, Kevin Dangoor, Gigi Sayfan, 2006-11-07 Master TurboGears The Easy Python Framework for Rapid Web Development TurboGears harnesses the power of Python to provide a dynamic and easy to use Web development framework one that dramatically increases developer productivity and makes it far easier to create dynamic user friendly Ajax enabled Web applications Now for the first time there s a definitive guide to TurboGears coauthored by its creator Kevin Dangoor This book will help experienced Web developers get productive with TurboGears fast You ll quickly build your first TurboGears Web application then extend it one step at a time mastering the underlying libraries that make these enhancements possible Next the authors demonstrate TurboGears at work in a real world application by examining the code for WhatWhat Status an open source project status tracking application Finally you ll gain deep insight into the model view and controller technologies TurboGears is built upon knowledge that will help you build far more robust and capable Python applications Coverage includes Understanding the architecture of a TurboGears application Mastering SQLAlchemy customizing it and using it with TurboGears models Utilizing TurboGears view technologies including dynamic templates and MochiKit for Ajax Bringing CSS XHTML and JavaScript together in reusable components with TurboGears Widgets Using CherryPy and TurboGears controller technologies from decorators to deployment Exploring the TurboGears toolbox Ensuring security and managing user access permissions in TurboGears applications

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