

Jason Kasper

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- Versatile and experienced application developer, with a rich background working in both proprietary and open-source development environments.
- Keen interest and experience in Linux and OS X desktop applications, including user interface design and development.
- Extensive experience with C, C++, Objective-C, Java, and familiarity with many other environments and languages.
- Broad experience working with the open-source community and a thorough understanding of software licensing issues.
- Ability to adapt quickly to new situations and environments.
- Proven experience shipping large, high quality software projects on schedule.

Skills

- C++
- GTK
- Linux
- Unix
- Objective-C
- OS X
- Software Design
- GTK+
- Perl
- Architecture
- C
- KDE
- POSIX
- Shell Scripting
- Cocoa
- X11
- Software Development
- Software Engineering
- VMware
- Subversion
- Qt
- Java
- Swing
- Bash
- Python
- Open Source
- Object Oriented Design
- Distributed Systems
- Architectures

Experience

VMware

08 / 2011 - Present

Senior Member of Technical Staff, Fusion Team

As an OS X user interface developer, I have helped build and ship several major products for the VMware Fusion team. I absolutely love working on and for the OS X platform!

- Maintain, enhance, fix bugs for, assist users with, develop new features for Fusion.
- Main developer for Fusion Unity mode.
- Help to maintain C++ common user interface library which bridges lower level C code to higher level Cocoa code.

- Worked across teams to deliver features on time.
- C/C++, Objective-C/C++, Cocoa.

VMware

10 / 2007 - 08 / 2011

Senior Member of Technical Staff, Workstation Team

I was a UI developer on VMware's Linux Workstation and Player team. My team was responsible for shaping the user-visible portions of VMware's virtualization products, adding features, fixing bugs, and enhancing our users' experience with the various user interfaces found in our product line.

- Responsible for the Fullscreen, Multimon and Unity modes.
- Worked closely with other groups inside VMware to deliver features on time.
- Active with Open Source communities for Linux Desktop Environments and Window Managers. Wrote, worked through, tested, and submitted patches for broken behavior and enhancements in Compiz, KDE, and XFCE4 window managers.
- C/C++, Gtk+, gtkmm.

KDE

05 / 2008 - 10 / 2010

Student Mentor

KDE has participated several times as a mentoring organization in Google's Summer of Code program (<http://code.google.com/soc>). I have mentored several students from around the world, teaching "real-world" software development practices.

- C/C++
- Taught and utilized RUP and UML modeling (sequence and class diagrams)

KDE

12 / 2004 - 08 / 2010

Open Source Developer

I have focused on helping the Open Source KDE project specifically in the area of Personal Information Management (PIM) and PDA/Desktop synchronization. In the short time I've been involved with the project, I have:

- Architected, designed, and implemented a Palm PDA Memo-Database-to-filesystem synchronization conduit for the KPilot suite, which was accepted into the KPilot project and was released with KDE 3.4.
- Assisted in the resolution of bug reports and problems, communicating

with both the user community and the core development community for KDE PIM.

- Contributed patches and bug-fixes related to synchronization between Palm PDA applications and KDE's Address Book, To-Do, Calendar, and Notes desktop applications.
- C/C++

CVS/Caremark

11 / 2005 - 10 / 2007

IS Architect - Technology

I was one of a team of architects in CVS's Technology Office—a role that serves across projects and technologies to provide leadership, design, research, creative solutions and performant architecture. I was placed on CVS's Enterprise Pharmacy Management System (EPMS) project (a highly scalable J2EE application), as a part of the Performance Testing team, responsible for the following, among other things:

- Provide architectural direction and oversight to the web, application, and database tiers, as well as the core code base and custom performance-testing code.
- Ensure the stability, scalability, availability and performance of the infrastructure that is put in place to support the EPMS application.
- Minimize the risk to the Enterprise Pharmacy Management system by leveraging industry proven methods in the area of Performance Testing.
- Ensure that the system can handle stress and “worst case” scenarios by performing duration, performance, failover/recovery, scalability, network, interface, load, stress, and volume testing.
- C, Java, POSIX Shell Scripting, SQL

Rite Aid

03 / 2002 - 11 / 2005

Master Systems Engineer, Chief Architect

I was the Chief Architect for Rite Aid's NexGen Pharmacy System, a mission-critical Java Swing-based prescription dispensing application. Widely-disparate systems and architectures comprise this new transactional dispensing system, including 2200+ Java classes communicating via compressed XML transactions to CICS COBOL programs over a nationwide VSAT network, as well as accessing DB2, UDB, and SQLServer databases. Platforms used include IBM OS/390 Mainframes, UNIX, Linux, Windows XPE, and Windows Server 2000. I have been Chief Architect and Lead Developer through the full process of analysis, design, architecture, construction, and implementation of this system. I was responsible for the following, among other things:

- Provide oversight to all new development and bug fixes.

- Review all architectural designs prior to coding and approve any significant change that is made.
- Establish and enforce coding standards, architectural design, and design pattern utilization.
- Mentor and coach development team of 20+ members in Java programming, software design, system consistency, reuse of code, and design patterns.
- Code integrity and auditing via weekly team code reviews.
- Utilized key Open Source solutions (CVS, Bugzilla, Mailman, OpenSSH, MiniLZO, Apache XML Project) that have contributed to the success of this project by providing a solid infrastructure. The successful implementation of these solutions has opened the door to other low TCO Open Source solutions in Rite Aid's corporate environment.
- Provide usability consulting, standards enforcement, creative design, and ensure consistent, intuitive, and discoverable user interfaces for this and other projects.
- Responsible for the development of corporate Graphical User Interface and Human Interface Guidelines.

Rite Aid

03 / 2000 - 03 / 2002

Lead Developer, Systems Architect

In this role, I was required to create a fully redundant, fault-tolerant production web-server solution for Rite Aid, with little or no capital expenditures and very small TCO. I was solely responsible for the system architecture, installation, and initial administration of this completely Linux-based solution, and met the requirements by utilizing 2 older, unused server-class machines acting as redundant, fault-tolerant Directors and 4 nodes from unused, 5-year-old Compaq desktop-class PII-333 machines. Specifically, I performed the following tasks:

- Converted Windows/ASP-based Web applications to Linux/PHP-based environment. This implementation was a crucial step in reducing Web TCO and decreased RiteAid.com's downtime dramatically. My architecture still exists and powers the Rite Aid corporate Internet website currently.
- Mentored and coached my team in the process of re-writing hundreds of ASP web pages to PHP/Oracle-based solutions.
- Worked closely with leading Internet companies such as Mapquest, Edgar-online, and DrugStore.com, providing strategic best-of-breed solutions.
- Engineered Internet and Intranet interfaces to Rite Aid's legacy CICS/DB2 programs using Perl, PHP, COBOL, REXX, Apache and IBM's

CICS Web Servers.

Rite Aid

01 / 1998 - 03 / 2000

Systems Engineer

I received 3 months' training in basic COBOL, JCL, OS/390 TSO and DB2, and upon graduating from the entry-level class, I was placed into a project tasked with replacing the existing Pharmacy Dispensing System for use by Rite Aid and Drugstore.com. My team was given the task of creating a distributed Pharmacy application written in C and Visual Basic, Oracle (via PL/SQL, OCI and ODBC) and DB2 databases, running on Windows NT thin-clients, accessing SCO5 UNIX servers and IBM OS/390 Mainframes. Specifically, I performed the following tasks:

- Designed automated deployment infrastructure to download and install all parts of a software release over multiple operating systems at all Rite Aid stores participating in project.
- Developed and implemented Visual Basic client, C-program TCP/IP clients/servers and CICS/COBOL transaction programs.
- Investigated, recommended, and implemented various technology solutions for the distributed Pharmacy application, including custom scanner software and high-quality thermal bar-code printers.
- Presented features and selling points of the newly developed Rite Aid Dispensing system to Rite Aid executives, stockholders, Wall Street analysts and Rite Aid pharmacy trade-shows.
- Acted as key contact and user-support for the team during the testing phase of the Automated Pharmacy project-involving both on-site and off-site technical support for the various integrated systems.
- Assisted DrugStore.com in integrating their website and dispensing facilities with Rite Aid's new dispensing system and infrastructure.

Rite Aid

05 / 1992 - 01 / 1998

Retail Store Manager

As Store Manager for TPI/Rite Aid, I was responsible for the day-to-day business needs that are unique to managing a 30,000 square-foot retail store, including but not limited to:

- Ensured customer loyalty and satisfaction with effective problem-resolution skills.
- Entrusted with departmental category buying, leading up to my being responsible for the buying for the entire store, as well as overall fiscal accountability as a Store Manager.
- Trained, coached, and mentored my store associates and nearby stores as

new technology was released.

- Managed fiscal responsibility for daily/weekly/yearly store operations in a 1.5 million dollar store.

Education

**San Diego State University-
California State University**

1989 - 1998

Mathematics

Interests

Guild Wars 2, New Technologies, Hacking, Open Source, KDE, Open Standards, FOSS, Video Games, Competitive Fighting Games, FGC, Street Fighter, OS X, Apple, iOS

Associations

KDE