
Technology Leader

Profile

Technology expert with experience in both software as a service (SAS) and shrink-wrapped software with particular focus on enterprise quality development practices.

Ability to rapidly learn new methodologies, technologies, and tools while applying them to a business's current needs.

Highly focused on the whole life-cycle to ensure flexible, scalable, highly available, and high quality software is delivered.

A 'clutch' team player willing to get involved during high pressure situations to provide leadership in revealing and repairing critical system problems.

Competencies

- Technology Team Leader
- Agile and Lean Methodologies
- Software Operations and Co-location management
- Object Oriented Programming with Java and C++
- Other Languages: PHP, Python, BASH, JavaScript
- MySQL and Oracle
- SMTP, Email infrastructure
- Service Oriented Architecture (SOA)
- SCM:SVN, CVS,Perforce
- OS UNIX: Linux (CentOS/Redhat, Ubuntu), HP-UX 11.x, HP-UX 10.20, Solaris, SGI, AIX
- OS Microsoft: All modern Windows operating systems

Professional Experience

Imprev Inc.

Bellevue, WA

Vice President - Technology (and other positions), Mar 2007 – present

Responsible for the successful execution of the company's business mission through designing, development, and deployment of large-scale software and hardware solutions, available to 150,000 real estate agent subscribers worldwide. Joined when the architecture was based on an open-source LAMP stack (Linux, Apache, MySQL and PHP). Lead the team in re-factoring the system to have a clear service layer (based on Java and Tomcat) that provides a JSON-RPC data-interface for the current UI, a JavaScript Single Page Application (SPA).

Several specific accomplishments:

- Managed the 12-month rebuild of the middle layer of our SaaS architecture as well as implementation of a new, fully mobile, bilingual UI. Development included a JavaScript client of over 40,000 lines of code and 70,000 lines of API automation, utilizing 54 engineering months, 42 QA months and 20 Creative and UAT people months
- Delivered 50+ software releases (agile delivery)
- Owned Application and System Monitoring and Alerting
- Responsible for Software Engineering, Quality Assurance, and Operations
- Managed Savvis Co-location
- Managed Vendor relationships

Drugstore.com.

Bellevue, WA

Software Design Engineer, Mar 2003 – Mar 2007

Developed and maintained the middle tier of the drugstore.com web store that provided the data access and the business logic to the presentation layer. The middle tier is a thread safe COM C++ implementation with an efficient API enabling thousands of simultaneous customers to access the drugstore.com store. The store currently handles as many as 350 concurrent users access to drugstore.com, handling 20,000 orders per day, 8,000,000 page views per day.

Several specific accomplishments:

- Played a key role in migration of the drugstore.com website to Internet Information System 6.0 running on Windows 2003
- Worked on redesigned the session state management system to provide customers with a seamless shopping experience on the drugstore platform across the farm of web servers
- Provided system support. Analyzed and solved critical system failures ensuring a high availability of the online store front
- Resident expert on front end systems
- Designed, developed and maintained the code fir automated deployments of the various drugstore.com clusters consisting of 200+ servers
- Championed concepts of improved Enterprise Architecture through improvements in documentation, systems, and design.

Ensemble Systems Inc.

Richmond, BC

Jan 2001 – Mar 2003

At Ensemble Systems, my skill set afforded me several different opportunities.

Team Lead, Rational Rose Windows/UNIX, Jan 2002 – Mar 2003

Led and developed in a team of developers working in C++, Visual Basic, and Java technologies in both sustaining engineering and the development of new features. The duties include the following tasks:

- Scoped, architected, wrote functional specifications, and wrote technical specifications for new features
- Guided and participated in implementation of features
- Involved in scheduling and prioritization of all development staff
- Refined development process to become more efficient by reducing defect rate from 20% to 5%.
- Executed feature and change requests in the context of system design and integrity
- Acted as primary liaison and bridge between Ensemble Systems and our customer Rational Software
- Mentored developers to ensure that development efforts met both corporate and personal goals
- Coordinated development activity with Quality Assurance team; defining process and assisted creation of test plans
- Provided technical guidance to product management and program management
- Communicated directly with Rational customers to resolve high priority defects in the Rose product

Team Lead, Rose for UNIX, Jul 2001 - Jan 2002

Led an engineering team of 4 that was responsible for Rational Rose on UNIX platforms, including Solaris, Linux, HP-UX, SGI and AIX support. The duties:

- Designed and implemented new features
- Scheduled and prioritized defect fixes
- Resident expert of cross platform internal APIs
- Liaison with software toolkit vendors
- Resolved differences between the Visual Studio, GNU, Sun Workshop and HP-UX C/C++ toolchains
- Primary investigator for defects reported by QA team

Software Developer, Rose for UNIX, Jan 2001 - Jul 2002

The focus was on the development activities involved in porting the Rational Rose UNIX product. The responsibilities:

- Understand both static and dynamic issues with windows application porting
- Ported the new Rose links to JBuilder and Forte (now SunOne) to Solaris and Linux using Java/JNI/C++
- Ported Rose win32/MFC code to Unix on HP-UX and Linux
- Updated, modernized, and debugged build scripts written in Perl and C shell

Point Grey Research Inc.

Vancouver, BC

Student Software Developer May 2000 - Sep 2000

Collaboratively designed and implemented software to estimate and extrapolate volume of objects using stereo-scopic vision hardware. This has particularly strong applications in the shipping industry. The responsibilities included:

- Implementation in C++ and Win32
- Real-time performance monitoring
- Analysis of camera performance and accuracy

Suncor Energy Inc. - Oil Sands

Fort McMurray, AB

Information Technologist (Co-operative Student), Jan 1999 - Aug 1999

Worked on the second tier support for the Information Technology department's network team. Maintained Suncor Energy's Oil Sands LAN/WAN infrastructure composed of Newbridge, Cisco, Lucent (WaveLAN), and 3com equipment. The individual contributions included:

- Technical lead in the project that upgraded the employee time collection to achieve year 2000 compliance
- Developed solutions for obstacles that occur in the daily operation of a network that extends across a plant-site of 40+ buildings and 1300+ workstations
- Implemented SecureID and debugged VPN issues as they arose

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Canadian Forest Products Ltd.

PC support consultant, Apr 1998 - Dec 1998

Maintained the PCs for the Northern Canfor divisions (approximately 500 computers and 16 servers). At this position the tasks included:

- Diagnosing a variety of WAN, LAN, hardware, and software problems and implementing time and cost solutions
- Worked as a member of a team that completed the new desktop roll out project, a project that replaced all desktop PCs with new Dell desktops. Monitored and directed contractors to complete the replacement project.
- Responsible for supervising and training two employees and Refining the disaster recovery plan

School District 91

Computer Technician, Oct 1993 - Jun 1994

Assisted the setup and maintenance of several of the districts Novell networks, and was responsible for software and hardware trouble shooting. Additionally I was involved in computer-networking infrastructure upgrades.

Education

University of Northern British Columbia Prince George, British Columbia

Bachelor of Science, Computer Science - Minor Mathematics

Co-operative Education

Cumulative GPA: 3.90 of 4

TA for data structures and algorithms class.

Awards: Raven bursary, In-program high achievement scholarships, Cariboo Bar Association Scholarship, and Cariboo Real Estate Association Scholarship.