

Summary

Broad experience in commercial **software architecture** and development. High performance, high-availability secure reliable systems. Experienced team and project lead, work well with customers. Agile and eXtreme Programming practitioner and mentor. Quality advocate, self-motivated, excellent verbal and written communication skills. Experience in all stages of software development lifecycle.

Skills

Experience: software architecture, technical leadership, all stages of a project life-cycle, team player and independent contributor.

Background: commercial large-scale application design, high-performance, high-availability, reliable systems, security, client/server and multi-tier systems, middleware, data flow design, database integration, concurrency.

Programming: Java, C++/C, C#.Net, awk, shell, Perl, JavaScript, Tcl/Tk, FORTRAN

Operating Systems: Linux, Solaris, Windows, Mac OS X, etc.

Work Experience

Intuit, San Diego, CA

05/06 - present

SR.SOFTWARE ENGINEER

CONSUMER TAX GROUP

Best do-it-yourself tax software on the market, over 13 mln returns filed in 2008.

Scalable, robust, high-performance, multi-platform web-based consumer tax software.

Developed new features, uncovered problems, designed solutions.

Implemented "My TurboTax fees" display, reduced call volume by 20%.

Introduced architectural change into legacy application: a component-based middleware solution to handle user data. Improved code modularity, introduced unit-testing, identified and fixed performance bottlenecks, addressed security concerns.

Worked with tax developers, QA and Performance-testing teams, participated in user experience design.

Mentored junior team members

Tools: Solaris, Mac OS X, Java, C++, Oracle, JavaScript, XML, Apache Tomcat, Wily Introscope

ID Analytics, San Diego, CA

02/03 - 4/06

SR.SOFTWARE ENGINEER

DEVELOPMENT

Identity Theft detection and prevention.

High-availability high-performance application server, modular client interfaces via SOA, MQ Series, SFTP, etc.. Large data sets, secure data handling, reliable delivery.

Over 1.3mln records processed daily, 24/7 service availability, over 1000GB of data.

Designed, implemented and deployed large-scale custom projects.

Project planning, spec development, mentoring, working with clients, vendors, QA and IT groups.

Tools: Linux, Java, MySQL, JellyScript, awk, Tomcat, Jetty, OpenSSL, MQ systems, multithreading

TradeWeb, New York, NY

01/01 - 01/03

SR.SOFTWARE DEVELOPER

CLIENT-SIDE SOFTWARE

Universal Trading Platform

Added features to distributed trading system, defined and created APIs, implemented electronic trading protocols. Price parameters calculations, information flow, database support. Implemented system-wide billing system.

Created SNMP-based monitoring and management for the cluster running the trading system.

Multithreading, high-performance, file and process replication.

Tools: WindowsNT/2000Pro, C++, TCP/UDP sockets, RogueWave, SNMP, Perl, MS SQLServer

Work Experience (contd.)

Tullet & Tokyo Liberty, New York, NY

04/00 - 12/00

SR.SOFTWARE DEVELOPER

SYSTEMS DEPARTMENT

Electronic trading systems

Maintained and enhanced financial applications for fixed income trading.

Created a framework for electronic trading client, built a volume trading tool.

Designed, developed and deployed information flow system (USTreasuries,Corporate Bonds,Repos,etc.)

Information flow application

Designed and developed library and application system to publish real-time on Reuters and green screens.

Tools: Solaris 2.7, WinNT 4.0, C/C++, Perl, SQL, RogueWave, TCP/UDP sockets, Reuters

Sun Microsystems, Menlo Park, CA

11/99 - 03/00

SOFTWARE CONSULTANT

SECURITY SERVICES

Solaris Smartcard Project, based on Open Card Framework.

Solaris Smartcard software suit: Smartcard server daemon, OCF implementation, various clients.

Tools: Java, Java native methods (JNI), C, OCF, SunRPC, Solaris 2.8

Netscape, Mountain View, CA

01/98 - 11/99

SOFTWARE DEVELOPER

CORE TECHNOLOGY, SECURITY

Netscape security technology (PKI architecture)

Added functionality to encryption libraries, design and implementation of security manager application.

Worked on PKCS11 and PKCS7 modules, implemented Diffie-Hellman key generation (PKCS3 module).

Participated in SSL library API design and documentation.

Tools: C, Perl. OO programming, multithreaded environment. SunOS, HPUX, Irix, Linux, Windows

INTEL Corporation, Santa Clara, CA

Summer '97

SOFTWARE ENGINEERING INTERN

CAL. TECH. AND MANUFACTURING

Built a visual software tool to create a wafer test pattern.

Created binary data interpreter to convert binary data in HP Basic internal format to formatted ASCII

Tools: WinNT, *Tcl/Tk*, C, HP Basic on HPUX

Education

University of Illinois, Urbana, IL

MS in Computer Science

Summer'96-Winter'97

Boston University, Boston, MA

BS in Computer Science, minor in Economics

Fall'94-Spring'96

Presentations & Groups

CodeCamp Southern California

6/2008

"Agile Adoption" ideas on successful transition to Agile in non-perfect world.

BarCamp San Diego, CA

5/2008

"Challenges of Agile Adoption" - how turning to Agile can go wrong.

Active member of San Diego **Extreme Programming Group**

Active member of San Diego **Java Group**

Active member of San Diego **.NET Developers Group**