# Jane Prusakova

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## 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, website development.

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

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

*Agile certifications*: PSM, PSD

*Security technologies and standards*: SSL, TLS, PCI

## Work Experience

### Improving Enterprises, College Station, TX                    10/08 - present
PRINCIPAL CONSULTANT

Full project outsourcing, working closely with the customer to deliver high-value solutions.
Training and mentoring, technical and Agile best practices, TDD, team building, high-quality development. Close communication while working remotely, with some travel.
**Tools:** Java, JavaScript, .Net, Gradle, Ant, Maven, Tomcat, WebSphere, JBoss, Oracle, IBM DB2, MySQL

### Intuit, San Diego, CA                    05/06 - 09/08
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.**
Created "My TurboTax fees" display, reduced call volume by 20%.
Architected and implemented a component-based middleware solution to store user data in a DB.
Addressed performance bottlenecks, security concerns, recovery on failure.
Worked with tax developers, QA and Performance-testing teams, mentored junior team members
**Tools:** Solaris, Mac OS X, Java, C++, Oracle, JavaScript, XML, Apache Tomcat

### 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

## Work Experience (contd.)

### TradeWeb, New York, NY
01/01 - 01/03

SR.SOFTWARE DEVELOPER                                   CLIENT-SIDE SOFTWARE

**Universal Trading Platform**
Distributed trading system and electronic trading protocol implementations. Financial calculations, information flow, billing system. SNMP-based monitoring and management.
Multithreading, high-performance, file and process replication.
**Tools:** WindowsNT/2000Pro, C++, TCP/UDP sockets, RogueWave, SNMP, Perl, SQLServer

### Tullet & Tokyo Liberty, New York, NY
04/00 - 12/00

SR.SOFTWARE DEVELOPER                                   SYSTEMS DEPARTMENT

**Electronic trading systems**
Created a framework and a reference implementation for volume trading tool, fixed income securities.
**Information flow application**
Designed and developed library, 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)**
Encryption libraries, security manager application. PKCS11 and PKCS7 modules, Diffie-Hellman key generation. 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

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|---|---|---|
| **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 |

## Professional Community involvement

Lead AggielandDNUG, BrazosValley Project Managers user group, AgileBCS user group.
Work with Texas A&M Computer Science students on research projects, career development, industry orientation.
Frequent speaker at Houston JavaUG, Houston DNUG, Austin Java and DNUG groups, Dallas user groups.
Regular participant and presenter at Houston TechFest, Dallas TechFest, Austin CodeCamp.

Involvement with San Diego JUG, AgileUG, speaker at South California CodeCamp and local BarCamp.