

Jeff W. Tulley

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Objective

To work on a highly efficient team to deliver quality software that creates high business value.

Employment

2005-present: [Microsoft](#), Draper, UT. Software Engineer II

- Created highly maintainable Business Intelligence web applications using Velocity, Spring, and Java
- Had a primary role in search federation technology
- Maintained the main query processing component of the Enterprise Search Platform
- Brought quality to the federation and query processing components through increased unit and system test coverage
- Discovered and fixed significant stability and algorithmic problems in the software

2001-present: Open Source contributions, Various Projects.

- Reworked part of Apache Ant's core file utilities code to work on NetWare OS
- Contributed to various Apache Tomcat modules
- Contributed the initial version of the Jameleon Acceptance Test Framework's Selenium plugin

1999-2005: [Novell, inc.](#), Provo, UT. Senior Software Engineer

- Lead Engineer on the WebSphere 3.5.3 porting project
- Helped port SilverStream and JBoss Application Servers to Netware
- Chief maintainer and supporter of Tomcat on Novell's Operating Systems
- Worked with CIM-based server health monitoring, mostly at the UI level, on Linux and NetWare
- I spearheaded a process to improve team communication and development effectiveness, resulting in a very successful product with an extremely low defect count.

Spring 1999-Fall 1999: [Community Learning and Information Network](#), Springville, UT. Software Engineer

- Developed the companies' security module
- Worked with undocumented and unsupported areas of Windows NT Device Driver programming
- I Faced extremely difficult programming challenges, in the following areas: Remote Procedure Calls, Winsock programming, Kernel Mode Device Driver programming, Windows NT Installable File System Drivers and Filters, Windows NT Security

1996-1999: [The Environmental Modeling Research Laboratory\(formerly the Engineering Computer Graphics Laboratory\)](#), Brigham Young University, UT. Software Engineer

- In charge of a platform-independent UI library underlies three professional Civil Engineering graphical modeling programs
- Dealt with advanced graphics and UI design under Windows and XWindows
- Implemented new UI controls and features such as printing, software protection, graphical file formats, animation, and DLL creation
- Took part in all facets of Software Engineering, from design to implementation, to testing

1995-1996: [WordPerfect Corporation](#), Orem, UT. Temporary tester

- Temporary night-time tester for 4-5 months, testing Corel Suite 7
- Gained hands-on experience with Software Engineering and Quality Assurance testing
- Helped greatly reduce the defect count in WordPerfect Suite 7

Qualifications

Degree: Bachelor of Science, Computer Engineering - - Brigham Young University, Provo UT -- Aug, 1999. Cumulative GPA: 3.39

Programming Languages: Java (both J2SE and J2EE), C#, Python, Velocity, JSP, Servlets, Ruby, Ruby on Rails, XML, XSL, HTML, Javascript / "Web 2.0", C, C++, Perl, Pascal, assembly language(MIPS).

Software Specialties: Graphical User Interface design, enterprise search, search federation, advanced web design, C programming, Agile methodologies coach/consultant, device driver programming, computer graphics (3d Solid Texture Modeling especially), Windows NT installable file system filters, client/server issues, system engineering, animation(AVI, TIFF, BMP), color models, advanced data structures, software licensing/protection techniques, Windows(tm) programming, XWindows programming, CGI programming, scripting.

Hardware Specialties: Embedded systems (both HW and SW), VLSI/CMOS design, layout, and testing.

Interests

Outdoor recreation: Formed 2 outdoors clubs and helped with one other. Was a long-time officer of Serac, a local mountain climbing club. I actively hike, mountain bike, rock and mountain climb, and run.

Martial arts: Achieved the rank of Teacher Certified black belt in the style Jendo.

Portfolio

Available upon request