

Travis Spencer

18405 SW Stepping Stone Drv. #42. Beaverton, OR 97006 • (503) 356-4148 • email@travisspencer.com • http://travisspencer.com

OBJECTIVE

A senior software engineering position with other passionate people who are using state of the art processes and modern technology to build cutting edge software and services

HIGHLIGHTS OF QUALIFICATIONS

- Co-led a team of engineers in the development of a complex database exposed by a collection of WCF services
- Planned, built, and maintained numerous Web sites using ASP.NET and LAMP
- Extended an existing, unmanaged application to include new BI features using SSRS, AJAX techniques, ATL Server, and Web services
- Conducted research and development in the field of parallel computing under the direction of a distinguished professor in the high performance computing community

PERTINENT SKILLS

- | | | |
|--------------------|-----------------------|----------------------------|
| • C# & C++ | • Visual Studio 2008 | • TFS, CVS, SVN, ClearCase |
| • WCF & .NET 3.5 | • HTML & CSS | • SOA & OOD |
| • LINQ | • AJAX | • Web Service Security |
| • WS-*, SOAP, REST | • SQL Server & T-SQL | • IIS |
| • ASP.NET | • XML, XSLT, & XQuery | • UML |

RELEVANT EXPERIENCE

SOFTWARE ENGINEER

MARCH 2006 — PRESENT

Co-led a team of eight engineers to build an RDB meta-model exposed via SOAP Web services

- Repeatedly resolved conflicts and cleared up miscommunications between our company and the customer's by interacting directly with their upper and middle management, consultants and engineers
- Designed the contracts of each service and built a component that served as the basis for all of them, resulting in a significant reduction in development time and cost
- Evaluated, chose, and coached the team on the use of brand new technologies such as LINQ, Entity Framework, WCF, .NET 3.5, Team Foundation Server (TFS), and Visual Studio 2008
- Accurately estimated tasks and consistently met difficult deadlines delivering on a semimonthly basis
- Refined the data model and created a scheme to pass complex structures (e.g., lists, dictionaries, and objects) between the data access layers of the services and the stored procedures
- Set up a wiki to facilitate rapid documentation and knowledge preservation
- Established an automated daily build process that incorporated QoS, load, and unit tests

Upgraded proprietary licensing system that's used company-wide

- Rewrote Web-based license creation application using Perl, Template Toolkit, HTML, CSS, Apache, PostgreSQL, and various CPAN modules
- Automated the build process allowing other business units to obtain up-to-date versions of the software to be installed with their products

Augmented the network management product with new business intelligence features

- Added dashboards that queried middle-tier components using AJAX techniques
- Exposed trend data via a Web service for consumption by other subsystems
- Designed and developed a reporting subsystem using ATL Server (ATLS), Web services and SQL Server Reporting Services (SSRS)
- Optimized existing trend analysis subsystem increasing performance by an order of magnitude

FULL TIME STUDENT

SEPT. 2003 — APR. 2006

Conducted research in the field of parallel computing

- Collaborated with a group of scientists at PSU and the Lawrence Livermore National Laboratory on a research project aimed at developing tools for measuring the performance of super computers
- Prototyped innovative solutions which laid to groundwork for future research

Computer Science tutor coordinator

- Tutored students in C/C++, data structures, algorithms, software engineering, Java, and UNIX
- Planned and facilitated weekly meetings with the half dozen tutors that I oversaw

Committed patches and bug fixes to various open source software projects including Cairo Graphics, GTK+, the Linux kernel, OpenJade, OpenSP, XCB, XSettings, zsh, and the software on PSAS's guided rocket

Worked with the PSU Computer Science department's IT organization as a UNIX system administrator

- Wrote Bourne shell scripts to monitor the workstations and servers for out of control memory and CPU intensive applications

Coursework included: Operating Systems, Cryptography, Algorithms, Compilers, Advanced Java

INDEPENDENT CONTRACTOR

SEPT. 2000 — SEPT. 2003

- Built an adaptive, data-driven Web site for Walter Gordinier, a local glass artist, using ASP.NET that distinguished him from his competitors and showcased his stunning work
- Designed, implemented, and maintained a Web site for Burgener's Wood Working originally using ASP.NET but later using Linux, PHP, and the drupal content management system
- Created and deployed an application for Moelven List AB, a Swedish company, using Visual Basic 6, Wise Installation System, and third-party ActiveX controls

EDUCATION

B.S., Computer Science, Portland State University, Portland, OR, April 2006

PUBLICATIONS

Spencer, Travis. *Swift's Role in the Incipience of Marxism*. "The Banyan Quarterly", Vol. 1, No. 2, Spring 2000. <<http://depts.clackamas.cc.or.us/banyan/1.2/spencer.htm>>.

COMMUNITY SERVICE

- Voluntarily planned, programmed, and launched a Web site for Celebration Christian Church using ASP.NET, C#, Visual Basic.NET, Access, XML and XHTML
- Collaborated with a group of volunteers and board members to build a Web site for Early Head Start of Portland using HTML, JavaScript, and CSS