

Software architecture & engineering, project planning, interface design, documentation, process analysis and technical auditing for companies utilizing :

LANGUAGES C# JAVA PHP ACTIONSCRIPT 3 JAVASCRIPT PERL
FRAMEWORKS .NET 3.5 ASP.NET MVC ATG ZEND FLEX JQUERY
MARKUP XHTML+CSS MXML XUL XML+XSLT
DESIGN TOOLS PHOTOSHOP ILLUSTRATOR FLASH INDESIGN
DATABASES ORACLE SQL SERVER MYSQL
SERVERS APACHE IIS TOMCAT JBOSS RED5
ENVIRONMENTS OS X GENTOO & REDHAT LINUX WINDOWS SOLARIS

I have had the pleasure of working on projects for :

AMERICAN EXPRESS AVON CISCO COORS DISNEY EARTHLINK HP INTEL JENNY CRAIG
KRAFT MAGNOLIA HI-FI MICROSOFT MOTOROLA NIKE NOKIA OLD SPICE SONY VIRGIN

EXPERIENCE

INDEPENDENT SOFTWARE ARCHITECT PORTLAND OR | WORLDWIDE 2003-2010

Freelance consultant providing solutions to clients of all sizes.

- Developed and deployed the floor management system including player queuing, digital signage, and usage reporting for the Sony Playstation Pavilion at Disney World (Orlando, FL) using Flex 3 and Adobe AIR, Zend/PHP, MySQL on Windows 7.
- Assembled and participated in a team of contractors that developed a webcam video capture and encoding system for Nike Canada's ForceFate Facebook application using Java, Red5, FFmpeg, Zend Framework/PHP and MySQL on Linux.
- Worked with a team of contractors to develop a sales tracking and reporting extranet in C#, ASP.NET, SQL Server, XHTML+CSS, JavaScript and jQuery for American Express.
- Developed DJ and management software for Sony's SingStar promotional tour truck using Flex 3 and Adobe AIR.
- Developed interactive touch-screen kiosks for Kraft, Magnolia Hi-Fi and Virgin Megastores using various combinations of Flex 3 and Adobe AIR, the Mozilla engine, XUL, XML/RDF, Linux and BASH.
- Architected and developed a photo display application for Nokia using ActionScript 3 and RSS.
- Designed and developed a light shopping cart system for independant musicians using Flex, PHP, MySQL and PayPal.
- Developed web-based calendar and scheduling systems using the Google Calendar API, Zend Framework/PHP, Flex, JavaScript and jQuery.
- Assisted in the maintenance of legacy VB 6 and ASP 3.0 applications for American Express.
- Deployed and maintained several marketing and e-commerce web sites and applications in PHP, MySQL and XHTML+CSS.
- Engineered multi-threaded wrappers in C# and VB.NET to turn legacy Windows applications and ActiveX controls into SOAP web services and XML over TCP socket-based services.

BUSINESS PROCESS CONSULTANT UNITED HEALTHCARE MINNETONKA MN 2009-2010

Team leader, technical architect, and user interface designer on employee-facing systems for the nation's largest health insurer.

- Led a telecommuter team responsible for redesigning and rewriting internal systems used daily by thousands of employees.
- Acted as the sole user interface designer on the team, making extensive use of Photoshop and Illustrator.
- Architected and developed a robust, reusable web-based reporting application framework using C#, ASP.NET MVC, SQL Server, SSRS, XHTML+CSS, and JavaScript/jQuery.
- Assisted in the architecture, maintenance and optimization of large SQL Server databases, up to tens of gigabytes or tens of millions of rows per table.

TECHNICAL ARCHITECT CONSULTANT WIEDEN+KENNEDY (VIA FILTER) PORTLAND OR 2009

Technical decision maker and engineer on interactive projects for some of the world's best known brands.

- Created the base architecture and layouts for **WK.com** (Wieden+Kennedy global website, launched 2010) in XHTML+CSS, JavaScript/jQuery, and Zend Framework/PHP.
- Devised and executed the migration of a **Nike** web site to high-availability hosting and a CDN in preparation for a segment on the Oprah Winfrey show.

SOFTWARE ENGINEERING CONSULTANT RAZORFISH (VIA VANDERHOUEWEN & ASSOCIATES) PORTLAND OR 2008-2009

On-site software engineering consultant to a major interactive marketing firm.

- Developed class libraries using **C#** and **WCF** to consume **JSON** web services for **Coors**.
- Worked with a team to develop web-based demonstrations of **Microsoft** xRank technology using **C#**, **ASP.NET**, **SQL Server** and **Omniture SiteCatalyst**.

TECHNICAL ARCHITECT THE NEW GROUP PORTLAND OR 2007-2008

Technical decision maker and analyst on client projects for an interactive marketing firm.

- Lead technical efforts for agency transition and on-going development of **JennyCraig.com**, written in **Java/ATG**, **Oracle** and **Omniture SiteCatalyst**.
- Completed a thorough written technical audit of the **JennyCraig.com** web property and associated systems.
- Architected and developed interactive **Windows Mobile 6.0** applications in **C#** for **Motorola**.
- Completed numerous **Silverlight** demo applications for **Microsoft**.
- Built and deployed a stack of virtual machines for **Java/ATG** development using **OpenVZ** and **Gentoo Linux**.
- Met directly with clients to strategize and clarify project and relationship direction from a technical standpoint.

SOFTWARE ENGINEER NEW EDGE NETWORKS, AN EARTHLINK COMPANY VANCOUVER WA 2007-2008

Technical analyst and software developer on employee-facing systems for a nationwide telecom company.

- Lead requirements gathering and technical analysis efforts for the company's network quoting and ordering system.
- Worked as part of a team of **Java**, **J2EE** and **PHP** developers to develop, maintain, and support internal OSS systems.

WEB DEVELOPER VIA TRAINING PORTLAND OR 2004-2005

Web interface specialist for a sales training extranet company.

- Worked with a team to develop and maintain interactive sales training extranets for **HP**, **Microsoft**, and **Avon**.
- Designed and engineered content management tools in **C#**, **Perl**, and **BASH**, to give project managers and content writers the ability to self-maintain content.
- Converted static **HTML** web pages into template-driven pages using **JSP**, **C#**, **PHP** and **XSLT**.

OSS DEVELOPER NEW EDGE NETWORKS VANCOUVER WA 2000-2003

WEB DESIGN CONTRACTOR WASHINGTON ESD 112 VANCOUVER WA 1998-2000

WEBMASTER VECTOR SOFTWARE OF AMERICA VANCOUVER WA 1997-1998