

<b>ROLES</b>	TECHNICAL STRATEGY SOFTWARE ARCHITECTURE PROCESS ANALYSIS RESEARCH AND DOCUMENTATION TEAM LEADERSHIP
<b>WEB</b>	XHTML HTML 5 CSS JAVASCRIPT JQUERY
<b>LOGIC</b>	JAVA C# PHP ACTIONSCRIPT 3 OBJECTIVE C
<b>GLUE</b>	SPRING MVC ATG ASP.NET MVC CAKE ZEND FLEX IOS SDK
<b>DESIGN</b>	PHOTOSHOP ILLUSTRATOR FLASH INDESIGN
<b>DATA</b>	ORACLE SQL SERVER MYSQL
<b>ENVIRON</b>	MAC OS X LINUX WINDOWS
<b>PROJECTS COMPLETED FOR</b>	AMERICAN EXPRESS AVON BARCLAYS CISCO COORS DISNEY EARTHLINK HP INTEL JENNY CRAIG KRAFT MAGNOLIA HI-FI MICROSOFT MOTOROLA NIKE NOKIA OLD SPICE SONY VERIZON VIRGIN
<b>CURRENT AVAILABILITY</b>	ACCEPTING OFFERS FOR CONSULTING AND ADVISORY WORK ONSITE IN TAIPEI TAIWAN PARTIAL ONSITE IN PORTLAND OR USA OFFSITE WITH TRAVEL WORLDWIDE
<b>OTHER</b>	STUDYING MANDARIN CHINESE AT NATIONAL TAIWAN NORMAL UNIVERSITY (NTNU)

## SELECT EXPERIENCE

### SOFTWARE ARCHITECTURE CONSULTANT WORLDWIDE 2003 - PRESENT

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** and **Adobe AIR**, **Zend/PHP**, **MySQL** on **Windows 7**.
- Led architecture and development efforts on a smartphone-based nurse alert system for small healthcare facilities using **Apple iOS SDK/Objective C** (iPhone, iPod touch), **Python**, **Adobe Flex**, **Apache ActiveMQ**, **MySQL** and **Mac OS X Server**.
- 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 floor management system 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**.
- Deployed and maintained several marketing and e-commerce web sites and applications in **PHP**, **MySQL** and **XHTML+CSS**.
- Conceptualized and created full-screen data visualizations using **ActionScript 3** and **Google Earth**.

### TECHNICAL ARCHITECTURE CONSULTANT EURO RSCG EDGE PORTLAND OR 2011 - PRESENT

Technical decision maker, architect, process analyst and user interface designer on large-scale web-based software projects for Fortune Global 100 brands.

- Currently leading efforts to re-architect and rebuild **Barclays' iPath ETN** website and its associated web services and data collection system using **Java**, **Spring MVC**, **Struts**, **MySQL** and **SQL Server** on **Linux**.
- Devised a web services monitoring system that dramatically reduced the previous need for regular manual troubleshooting.

**BUSINESS PROCESS CONSULTANT UNITED HEALTHCARE MINNETONKA MN 2009-2010**

Team leader, analyst, technical architect, and user interface designer on reporting 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 ARCHITECTURE 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 VANDERHOEVEN & 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**

**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**