

Profile and Objectives

An experienced and talented IT manager and system architect specializing in scalable solutions utilizing commodity or server-class hardware on top of open source software, looking to build on experience in management, development, and automation in a fast-paced and challenging environment. Has a unique ability to hit the ground running and adapt to new technologies and processes.

Skills and Platforms

Web and Application Development: Perl 5, Perl 6, Java, and C. Well versed in HTML, JavaScript, and AJAX libraries. Some exposure to Python, Ruby, PHP, and Objective C, with strong Object Oriented programming skills.

Frameworks and SDKs: Catalyst, CGI::Application, Mason (Perl), Android (Java), jQuery, YUI (JavaScript)

Databases: PostgreSQL, MySQL, OpenBase, Microsoft SQL Server. Some exposure to Oracle.

Networking and Servers: pfSense, Nagios, MRTG, Zimbra, Postfix, Courier, Apache, Asterisk, Nutch, Lucene

Server Operating Systems: FreeBSD, Linux (Ubuntu/Debian, Red Hat, CentOS), Solaris, OS X Server, Windows

Work Experience

Application Developer/Architect: Golden Guru, LLC, Port Orchard, WA (February 2008 – Present)

Subcontracting for a small group of highly specialized developers and designers to create and maintain large, scalable web applications for outside clients and internal use. Provided consulting on technology paths and system design, and assisted in the architecture of several large sites.

- Instrumental in re-architecture of a high profile Mason-based web application serving medical information to over 200,000 users, based on a custom web framework centered around Perl and mod_perl on Apache 2
- Implemented caching and improved responsiveness of existing web applications
- Consulted external clients on site direction, scalability, and usability
- Redesigned security architecture of the same site, rebuilding machines and closing scannable vectors of attack to move toward HIPAA compliance
- Extended and maintained existing web application written using Perl and Mason against a MySQL database

System Architect: G2 Web Services, Bellevue, WA (October 2006 – February 2008)

High-level role as an architect, manager, developer, and lead administrator for a 150+ machine colocated deployment, solving web data aggregation, analysis, and automation for a merchant compliance company. Quickly automated processes to change 2+ hour job preparation to an end-to-end, hands-off automated system, managing data input, analysis, and database manipulation to a queued and auto-fed distributed crawling system.

- Redeveloped existing tools to take advantage of database abstraction and modular, OO Perl development
- Implemented large scale monitoring with some self-repair capabilities, leaving more time for expansion
- Designed an end to end, multithreaded automated task management system for core operations
- Provided web services utilizing SOAP, XML-RPC, and YAML written in Perl for Perl, Java and PHP clients
- Created a distributed job management system to allow multiple nodes in various geographical locations to perform small targeted tasks and return results to a bank of master servers

Senior Technology Manager: NexTune, Inc., Redmond, WA (September 2005 – October 2006)

Lead the Server Technology Team: managed and mentored 2-5 employees, providing system architecture and data integration processes in a music technology company. Successfully managed the migration of an existing unfinished C# and SQL Server platform to Perl-based web application with XML-RPC web services, creating a seamless infrastructure for the nexTune application.

- Managed a team of developers, DBAs, and administrators to construct a reliable server and database platform
- Designed an end-to-end client/server data workflow through FileMaker, Microsoft SQL Server, and XML
- Created a communication system between NexTune and partners for music metadata and commerce
- Transitioned C#.NET code to Perl with CGI::Application and Catalyst MVC frameworks
- Performed REALbasic and C development; created server communication libraries and interfaces

Web Application Developer: Dialup USA, Inc., Lynnwood, WA (now IKANO) (March 2005 – August 2005)

Joined this fast growing provider of virtual ISP solutions at a critical stage of transition into automating and extending core processes. Initial projects included designing a new payroll system for internal use, as well as two other customer-facing Perl MVC applications utilizing Catalyst, CGI::Application and Template Toolkit.

- Created an automated reseller signup tool allowing customers to start a virtual ISP online in minutes, replacing 90% of the new customer paperwork and manual setup
- Redesigned the company's client control panel, allowing service provisioning by the user instead of manual provisioning by system administrators
- Initiated a move toward requirements specification, documentation, and version control

Web Solutions Engineer: UpSellUSA, Inc., Seattle, WA (October 2003 – March 2005)

Was hired as an additional developer and administrator to assist with the development of their flagship Learning Incentive Management product during major growth. Responsibilities included new features and maintenance for their Perl application, as well as administration and monitoring of their Linux/Windows network. Additional duties included interfacing with IIS and .NET to embrace Microsoft technology without changing languages.

- Maintained and extended a large scale web application in CGI::Application and mod_perl
- Successfully developed and co-developed tools and reporting applications in Perl for internal use
- Acted as a build engineer, effectively designed a code push system for development and production
- Managed and expanded a network of 35 machines on an Windows 2003 Active Directory domain

Internet Systems Specialist: digital.forest, Inc., Seattle, WA (October 2000 – October 2003)

Initially, was hired to add OS X Server to the company's hosting and colocation services. After successfully deploying OS X Server 1.2 to many clients, and moving the company and customers to the latest versions of OS X on an Open Directory domain, the duties were expanded. Over the course of time, served as lead Windows Administrator, assistant FreeBSD Admin, and designed numerous Perl applications interfacing with FileMaker, MySQL, and OpenBase SQL.

- Managed the conversion of many core services to the Mac OS X Server platform
- Initiated the redesign of the internal account database and server management tools from FileMaker Pro
- Redeveloped a customer-facing tool allowing clients to manage FileMaker databases on OS X or Windows
- Effectively developed an account creation system, reducing setup time from thirty minutes to less than five

Technical Representative: Citilink Internet, Minneapolis, MN (March 1998 – September 2000)

Joined Citilink as a part time technical support representative, which further developed into a position encompassing a variety of miscellaneous duties. Responsibilities included Macintosh and Windows support, providing assistance in Solaris system administration, and redesigning the company support section into an interactive Perl/MySQL application, which significantly increased company efficiency and eliminated the need for another technician.

- Redesigned a full customer support and FAQ section in Perl, lowering support costs
- Assisted in the maintenance of Solaris and Linux based servers
- Supported Windows, Mac OS, and Linux customers with dialup and DSL

External Web Solutions Developer: U S West !nterprise, Minneapolis, MN (Now Qwest) (May 1999 – March 2000)

Originally was extended an internship with the company, followed by an offer of employment. Hired as part of a team who maintained external web applications based on Perl and Oracle. Deployed new DSL signup services, maintained and updated the internal ticket system, and managed the rollout of family plan services for employees.

- Significantly extended and improved skills in Perl and DBI, focusing on Oracle interoperation
- Moved ticket system from a Smalltalk application to a web-based Perl script, reducing client support time
- Acted as project manager producing mockup and flow for U S West Employee Family Services