

Software | DevOps Engineer

Expertise C, Perl, JavaScript, XQuery, XML, Linux code/admin, Shell Scripting, Awk/Sed, Revision Control us/scripting with CVS/SVN/Git, MySQL, IaaS: AWS & Rackspace.

Also used PHP, Windows, C++, Java, Apache, IIS, Tomcat, eXist-db, XHTML, Fortran, LISP/Scheme, Prolog, Pascal, DB2, Oracle, SQL Server.

2011-2015 **Director of Operations** **OpenNotus Solutions LLC**

- **Lead Operations Engineer**, responsible for IaaS setup, using AWS and Rackspace. Responsible for all Linux systems set-up, maintenance, backups and monitoring, as well as eXist monitoring and backups. Managed the company Subversion (SVN) revision control system, created hooks with scripted rules to enforce good development practices, and wrote programmatic extensions to help migrate changes between the branches.
- **Software Developer**, in charge of insurance eligibility EDI file transfer. Developed data-driven transfer code to create files of multiple varieties, including HIPAA 834 5010/4010 and proprietary fixed width and delimited formats, using XQuery, Java, Korn Shell and an eXist database / Orbeon XHTML/XForms server for the front end interface.
- **Hired and trained engineers**, and oversaw transition of duties to new personnel upon company purchase by PrismHR.

2007-2011 **Senior Software Systems Engineer** **Verizon Business Corp.**

Development of Framework and Support Tools for the company's central Order Workflow Management (OWM), and Service Oriented Architecture (SOA). Built web-based tools to track order progress through legacy workflow systems, used in testing environments to ensure progress, and, in the production environment, to help in problems analysis. Modification of OWM system code-base to allow reconfiguration with new systems, and support of new order types. Normalized SOA Operations Framework on many machines, and instituted remote change, deploy and synchronization control using CVS & SVN; instituted department migration to SVN. Used C, PHP, Perl, Shell Script, Forte, Java, JavaScript.

1997-2006 **Contractor, Self-Employed**

- **ETP Corp., Senior Software Systems Engineer**. Developed functionality for an online sales system using ColdFusion, SQL Server 2000, HTML, JavaScript, C, and more.
- **Actuate Corp., Lead Web Application Developer**. Maintenance web site and preparation of transfer to a new infrastructure. Development of marketing programs enabling sales lead generation.
- **Video4i Inc., Lead Web Application Developer**. Developed a web based application to display streaming video (pre-YouTube). Development in Perl and C, on a Linux platform with a MySQL database. Close work with proprietary streaming video technology engineers and graphic artists.
- **Systems Integration Engineer, Saba Software Inc.** Web based development, NT and UNIX based, using JSP, Perl, CGI & HTML to integrate Saba's EMS with Netscape's intranet and extranet.
- **Cisco Systems, Senior Web & IT Engineer**. Performed Y2K and security rewrite and/or certification of code used on Cisco's main web site. Wrote multiple web-based tools, including a feedback dashboard, and a marketing alerts utility, using Perl, JavaScript and the Oracle database.
- **Firefly LLC, Lead Software Engineer**. Development of an Internet commerce system to sell and track book sales for PeopleSoft. Used C, UNIX, JavaScript, Oracle Web Server and DB with PL/SQL.

M.S. Computer Science, equivalent study, Uppsala University, Sweden.

Thesis: Security Constrained Reactive Optimization using Genetic Algorithms.

B.S. Computer Engineering, University of California, Santa Cruz.

Natural Languages: *English & Swedish*, native schooled ability. *Fluent German*. *Some Spanish*.

Volunteering: Handicapped swimming teacher. Kayaking pool session life guard. BJJ instructor.