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SUMMARY

Senior java software engineer with experience in both application development for large scale systems and in linux and network administration. I am a strong proponent of test driven development and have brought Spring into numerous organizations helping them split up large projects into simplified modules. I really enjoy promoting how separation of concerns, automated testing, and automated builds can make development more predictable, fun, and better for management.

CORE COMPETENCIES

10+ years linux and unix administration
10+ years perl
8 years java
6 years Spring
4 years MySQL and Hibernate
4 years SVN and Maven
Certified ScrumMaster #54095

EXPERIENCE

Senior Software Engineer, Medio, Seattle, WA

6/2007-present

Introduced Spring into the mobile advertising team, changing from a complicated configuration to a dependency injection model. Lead on integrating 3rd party adnetwork APIs into system. Developed automated configuration update mechanism utilizing JMX to eliminate need to redeploy for minor configuration changes. Pushed for use in rest of company resulting in reduced developer effort on similar projects. Managed team's infrastructure requirements around continuous integration, RPM builds, and SVN.

Senior Software Engineer, Classmates, Renton, WA (contract)

1/2007-6/2007

Contract programmer for large scale social networking site. Unified common Spring MVC implementations into simplified internal framework. Presentation on use of EasyMock for JUnit testing resulted in better code coverage and faster, better, and more reliable bug fixes.

Senior Software Engineer, MedOrder, Seattle, WA

9/2005-10/2006

Took existing java applet for outpatient referrals in a healthcare application and moved toward easier to maintain and quicker to update HTML pages with AJAX for a better client experience. Lowered licensing fees by moving off of commercial app engine and database to open source alternatives. Made life simpler for engineering and business development by breaking down monolithic applications into components that could be tested and released individually. By unifying hodgepodge of DOS and ant scripts into common maven builds greatly sped up QA cycle resulting in more frequent and repeatable releases. Improved internal documentation by bringing in a wiki to replace scattered Word documents.

Java Programmer, Dwango Wireless, Seattle, WA

4/2005-9/2005

Member of a team that developed website front and backends for selling mobile content using Apache Tomcat and the Spring framework. Initiated use of JUnit and EasyMock for testing. Created API for 3rd party to use internal billing system.

Java Programmer, LUX, Seattle, WA (contract)

2004-2005

Contract position as the lead developer for a cell phone manufacturer seeking to introduce a security camera to the US market. The camera phone had a minimally working system for taking images -- worked with manufacturer on sending images via SMTP. Created the back and front end system for displaying images to an authenticated user. Used Spring, Struts, Hibernate, LDAP, MySQL, and Qmail.

Java and Perl Programmer, King County Journal, Bellevue, WA

3/2002-4/2005

Sole developer for a perl based newspaper website. Created automated system in java with Spring and Hibernate for extraction of obituary text and images from internal print system and published to a 3rd party website

resulting in a much better reader experience. Brought in Lucene to replace existing problematic search engine, making for much faster and reliable lookups. Took on IT duties and replaced old mail server, training staff in administration and writing perl scripts for spam filtering.

Unix Administrator, Singingfish, Seattle, WA **12/1999-12/2001**

First IT person in a streaming media search engine startup. Starting from nothing created infrastructure for email, source code repositories, and unix installs. Administered Tomcat servers. Created tools for both content reviewers and developers to speed up processes.

Perl Programmer, TechEx, Boston, MA (contract) **2000-2002**

Worked directly with Techex's Director of Technology on revamping their Perl and MySQL based information exchange in addition to Linux administration. Pushed clients to use XML to standardize feed ingestion -- previously all clients had own bizarre feeds with numerous data formatting issues. Initiated move to java.

Perl Programmer, N2H2, Seattle, WA (contract) **6/1999-12/1999**

Senior member of a 4 person development team upgrading old perl 4 code for a web proxy service company. Mentored junior members on team in perl module creation.

Perl Programmer, Unix Admin, Shopnow, Seattle, WA (contract) **1/1999-6/1999**

Worked in a high pressure organization initially generating logging reports by perl scripts. As this involved collecting information from dozens of different servers developed uptime tracking system to alert myself and then IT of server problems. This new process allowed company to not continuously hire more people to manually monitor websites.

Unix Administration, Quantum Corporation, Milpitas, CA (contract) **1998- 6/1999**

Responsible for maintaining 100+ HPUX workstations and servers. Managed and designed DHCP, NIS, and DNS infrastructure.

System Administrator, MFJ and SUNY Purchase College, New York City, NY **1996-1998**

Managed Lotus Notes servers for a Notes software development firm. Single point of contact for new client installs.

Worked as lead campus support person for SUNY Purchase College. Along with managing campus routers, pushed for greater campus networking in dorms and managed unix administrator responsible for entire campus email. Wrote perl scripts to migrate off old mainframe system. Taught class on how to use Windows 95.

Lab assistant, General Electric, Schenectady, NY **1995-1996**

Set up and ran wind tunnel tests for turbine engines in General Electric's R&D lab. Selected the software package LabVIEW for data collection and guided techs to code for it. Coalesced information to Excel and wrote macros to present graphs.

Lab assistant, Purdue University, West Lafayette, IN **1991-1995**

Worked in a graduate student lab providing assistance in projects involving analyzing spray patterns with holograms. Provided technical support in the mechanical engineering computer lab for general unix usage and the Fortran language.

EDUCATION

Purdue University, West Lafayette, IN
BS Mechanical Engineering