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SUMMARY

Senior-level Enterprise Java Software Engineer with over 15 years experience. I have a broad skill set in programming, system administration, networks, and the software development process on both internal and public customer facing applications. For the past 13 years I have been working exclusively on Java enterprise web applications. Excellent soft skills including team leadership and mentoring capabilities as well as an understanding of general business disciplines including marketing, finance and accounting.

Qualifications

- Results driven with the ability to take a project from start to finish
- Excellent at working together with business partners to accomplish common goals, from launching private labeled Web Sites to establishing automated communication channels
- 14 years of Java development experience, 13 years experience in web applications, and 8 years experience in Agile methodologies including Scrum, Test Driven Development, and XP
- Extremely knowledgeable in Cloud technologies. Can setup and administer Amazon AWS – including Virtual Private Networks and VPN connections into the VPC
- Solid understanding of the Microsoft, Unix/Linux, and Apple Mac platforms and can administer each.
- Vast knowledge of enterprise web application development, related APIs and frameworks including the Spring Framework
- Practical experience with designing, developing, deploying and integrating with Web Services, clustered web applications, and shared enterprise components
- Broad technical experience from leading edge R&D to legacy code maintenance involving mass refactoring, system integration, application server upgrade and conversion efforts
- Exceptional problem solving abilities backed by a consistent track record of successful projects
- Constantly looking for ways to improve the company's overall efficiency, no matter the underlining platform (i.e. Windows vs Unix and/or Commercial vs Open Source/Free)
- Firm believer in Test Driven Development (TDD), Continuous Builds, and writing clean code

KEY TECHNICAL SKILLS

<i>Languages</i>	Java, JavaScript, Python, HTML, CSS.
<i>Java Servers</i>	Sun Web Server (iPlanet), Tomcat, JBoss/Wildfly, Sun GlassFish)
<i>Tools</i>	Intellij (Java IDE), Eclipse, Subversion, CVS, Jenkins/Hudson Continuous Integration suites. Fitnesse Acceptance Test System, Canoo WebTest, Robot Framework, Selenium, Watir, JUnit, Ant, Maven, Atlassian suite of tools including Jira, Greenhopper, Confluence, and Stash(Git), Puppet
<i>Frameworks</i>	Spring Framework, Sprint MVC/Webflow, Spring Batch, Spring Integration, Apache Tiles, JSP, Hibernate, JPA, Velocity, Bouncy Castle Encryption, JQuery, JQuery Mobile, Twitter Bootstrap, Apache networking libs (i.e. commons-net), C3P0, Quartz, iText, JasperReports,

Apache Camel, SOAP and REST style web services

Operating Systems MacOS X, Unix (Linux and Solaris), Amazon Linux AMI, MS Windows (Desktop and Server), Xen Virtualization Server, VMWare ESXi

Containers Docker (hub.docker.com/u/tsweets/), CoreOS

Database Systems Oracle 7.3.4 through 10g. MS SQL Server & MySQL

EXPERIENCE

Performance Benefits, Denver CO IT/Software Architect

6/2012 – Present

Performance Benefits is a startup company specializing in offering Payroll Cards to small employers. Over 1000 employers and 15,000 cardholders are currently using the Ready Funds MasterCard Payroll card and platform. Performance Benefits is the program manager for the Ready Funds MasterCard and our system integrates with a payments processor and the issuing bank.

In the roll of IT Architect I am responsible for all aspects of the business technology platform. This involves requirements gathering, system design, software development, SCM, QA, administration of Red Hat Linux and MySQL databases. I currently manage a variety software applications and systems including four Java web based applications that are used to manage the entire business. I am responsible for maintaining and enhancing these applications as the need arises from the business. I work with business partners to design and integrate the company's technology offering.

Major Accomplishments:

- Migrated system from older outdated servers hosted in a local co-location facility to a cloud based architecture using Amazon AWS with redundancy via two geographically dispersed regions.
- Introduced Agile and Scrum to the company replacing their existing waterfall methodology.
- Setup a Continuous Delivery pipeline with Git, Jenkins, Maven, JUnit, and the Selenium automated test framework.
- Re-architected pieces of the existing Java/Struts/Flex application using the Spring Framework v3.2. Also replaced the homegrown batch processing system with Apache Camel, Spring Integration and Spring Batch.
- Wrote the Client Portal web application that allows Admins and Clients manage the Payroll Cards
 - Techs Used: Spring Framework, Twitter Bootstrap, MySQL, Web Services
- Wrote a Cardholder web application to allow management of a card by a participant.
 - Tech Used: Spring Framework, Twitter Bootstrap, Web Services
- Wrote a Mobile version of the "Cardholder" site with Spring & JQuery Mobile.

Paychex (Formerly Fast401k/ePlan Services), Denver CO IT Architect

7/2000 – 6/2012

Joined Fast401k as a Senior Software Engineer when the company first started out as a Dot COM company. Along with my Software Development duties, at that time I also was the IT person for the entire business. What began as a 10-person startup company with no assets under management is now a 40-person company with a Billion dollars in assets under management. Over the past 11 years we have transitioned from our original waterfall development methodology to using Agile methods with Scrum and have been agile for the last 7 years. This has allowed us to add more value to the company while keeping a steady controlled development pace. The importance to keep costs down has however remained constant. With this philosophy in mind, most of the systems put in place use and are written against Open Source and Free Software technologies when available. Commercial Software is also used wherever it makes sense.

I was one of the original engineers working at Fast401k tasked to design and implement an online Web-Based

401(k) system. This system is completely written in Java and ran initially on WebLogic however it is now running in a Glassfish 3.0 web container. This application also utilizes the lightweight inversion of control container Spring Framework extensively. A sample of the web-based and database driven application can be viewed at www.eplanservices401k.com.

I wrote and/or integrated several supporting internal applications and systems including customizing an off the shelf web based app called eSupport for CRM and writing a Web Application to handle secure file transfers between our clients. The latter web app uses the Spring Framework and includes PGP Encryption/Decryption and has a built in SFTP Client.

Another role of mine on this small team of engineers is that of "Tool Smith." I setup and maintain most of tools including the continuous build. I wrote an article describing our virtualized distributed build environment for Better Software magazine and it was published on their stickyminds.com website.

US West Advanced Technology Center, Boulder CO
Member of Technical Staff

11/1998 – 7/2000

Worked on two projects for US West, the local phone company for 14 states before it was acquired by Qwest. Researched and prototyped a new service delivery architecture. The focus was on intelligent homes and home gateways using Sun Microsystems Jini Technology. I represented US West in the Open Services Gateway Initiative (OSGi) and the HomeAPI organizations. Developed prototypes of typical home Internet Appliances including: Home Gateways, Set-Top Boxes, and WebPads.

The second project I worked on was the my.uswest.net personalization web site on a three-person development team. The site used a combination of the BEA WebLogic J2EE application server and mod_perl/mason. While I was at the Technology Center I worked on a Patent that was granted May 3, 2005 Number 688850 entitled Modular Home/Office Multimedia Distribution System.

Kentek Information Systems, Boulder CO
Software Engineer

7/1998 – 11/1998

Worked on two parts of a 60 page per minute production printer. The first sub system that I had ownership of was the Real Time Operating System (Which was LynxOS v3.0) and the Networking protocols. I was responsible for integrating the OS onto our target, which was a Pentium II based single board computer. I was also responsible for writing the network printer communication daemons. The second sub system that I had ownership of was completely new and was the Web based printer management system, which would allow for remote administration of the device. I was responsible for embedding a web server into the printer and designing the backend, which the web server used to control the printer. I also designed and coded the Java Client that interfaces with the web server and utilizes sockets to communicate asynchronously with the user for alerts (i.e. paper out and toner low) and status. Sadly the project was canceled in November 1998.

Rockwell Collins Avionics & Communication, Cedar Rapids IA **7/1996 – 7/1998**
Systems/Software Engineer

Worked on an Internal Research & Development program in a Systems Definition team, with the responsibility of designing/developing a Real-Time OS for a distributed communications system. This position required Secret Level Clearance.

Defined the processing platform for the next generation of avionics for general aviation type aircraft. This platform uses Rockwell's Java CPU, which is the first direct Java execution CPU, and fits within a CORBA distributed object framework. This platform was FAA certified for multi-levels of criticality.

Worked on a Distributed Modular Real-Time communication system to be placed on future military aircraft. I was responsible for the TCP/IP services throughout the system, hardware device drivers and Operating System Board Support Package, as well as the initialization process. The current version of the system, which is based around the TI TMS320 C31 DSP, utilizes many new and emerging technologies that were truly advance for military avionics for the time example: IEEE 1394(Firewire) for a high speed asynchronous/isochronous interconnect between modules. I also captured SW/HW requirements for a trusted computing base capable of reaching B2 level certification from NSA.

**Intergraph Electronics, Boulder Co
Software Engineer (Intern)**

1/1996 – 7/1996

Worked on developing testing routines and the testing methodology for IEEE compliance of the company's VHDL simulator.

**Institute for Scientific Computation – U of Wyo, Laramie WY 9/1995 – 7/1996
Unix Systems Administrator**

Maintained UNIX Based workstations and servers on a heterogeneous SUN/SGI network. Maintained the department's web server and web pages. Performed regular system administrator duties.

**Applications Development – U of Wyo, Laramie WY
Programmer/Analyst**

12/1993 – 1/1996

Wrote programs that transitioned systems off of the University's IBM mainframe computer to thick clients on user's Windows Workstations. Utilized many different technologies to implement solutions including SQL servers, MS Visual Basic, and MS Access.

Example Project: Wrote a COBOL program to email out phone bills/statements (approx.15,000/month) to students and employees, resulting in cutting down severely in the amount of resources needed to perform this task that was accomplished previously via printing out and sending the statements through campus/regular US mail

EDUCATION

Bachelor of Science in Computer Science – May 1996

University of Wyoming, Laramie Wyoming

Associate of Science in Computer Science -- December 1993

Casper College, Casper Wyoming

MISCELLANEOUS

Certifications:

Red Hat Certified System Administrator: ID 120-063-771

Patent Work:

Modular Home/Office Multimedia Distribution System

Patent Number: 6888850

Issued: May 3, 2005

Recent Publications:

Virtual Hudson Build Environments Part 1 – Jan 19, 2011
http://www.stickyminds.com/s.asp?F=S16569_COL_2

Virtual Hudson Build Environments Part 2 – Jan 26, 2011
http://www.stickyminds.com/s.asp?F=S16592_COL_2

Arch Linux:

Package Maintainer for Glassfish version 4 on Arch Linux
<https://aur.archlinux.org/packages/?SeB=m&K=tsweets>