

TONY SWEETS - ENTERPRISE DEVELOPER/DEVOPS ENGINEER

OBJECTIVE

Senior-level Java Software/DevOps Engineer with 20 years experience in the field. 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 17 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.

SOFTWARE DEVELOPMENT SKILLS

Languages: Java, JavaScript, Groovy, Python, HTML, CSS
App Servers: Tomcat, JBoss/Wildfly, Sun GlassFish, Oracle Weblogic
Dev Tools: IntelliJ (Java IDE), Eclipse, Subversion, CVS, Git, ClearCase
Test Automation: Fitnesse Acceptance Test System, Canoo WebTest, Robot Framework, Selenium, Watir, Cucumber, JUnit
Build Tools: Ant, Maven, Gradle
Atlassian Tool Suite: Bamboo, Jira, Confluence, and Stash/Bitbucket(Git)
Spring Framework: Spring Boot, Spring MVC/Webflow, Spring Batch, Spring Integration
Web Frameworks: Twitter Bootstrap, Apache Tiles, JSP, Velocity, JQuery, JQuery Mobile
Web Services: SOAP and REST style, Microservices using Spring boot and RedHat OpenShift

CLOUD & DEVOPS SKILLS

Public Clouds: Amazon Web Services (AWS), Amazon Gov Cloud
Private Clouds: OpenStack
Operating Systems: MacOS X, Unix (Linux and Solaris), Amazon Linux AMI, MS Windows (Desktop and Server)
VMs: Xen Virtualization Server, VMWare ESXi
Microservices: Docker (hub.docker.com/u/tsweets/), Kubernetes (Docker EE)
CI/CD: Jenkins, Artifactory, Nexus, Chef, Puppet, OpenShift, Terraform, Rundeck

WORK HISTORY

PRINCIPAL SOFTWARE ENGINEER, RAYTHEON, AURORA CO

5/2016 – Present

Current Program: Closed Area Program, working on a web based Command & Control system utilizing a microservice architecture deployed to a private cloud running Kubernetes.

Previous Program: Worked on a small tiger team that is leading the transformation of the GPS-OCX program (DoD Contract) to a DevOps model, via a continuous integration/deployment pipeline. I am responsible for re-architecting the legacy code and builds from Ant to Gradle (with a Maven Repo) for use in the pipeline build. Part of my duties also included recommending and bringing in new tools to replace old outdated ones, for example replacing Ivy with Artifactory (Maven). One of my accomplishments includes successfully migrating a large Java and core subsystem to use a Gradle build from Ant. Tools and Technology used includes: Windows, Linux, Ant, Gradle, VMware ESXi, AWS GovCloud, ClearCase, Git, Java, C++,

Python, Ruby, CloudBees Jenkins, Rundeck, Chef, Ivy, Artifactory, Oracle (12c versions)
Weblogic, Oracle OSB, Oracle Database.

IT/SOFTWARE ARCHITECT, PERFORMANCE BENEFITS, DENVER CO

6/2012 – 5/2016

Performance Benefits is a startup company specializing in offering Payroll Cards to small employers. Over 1000 employers and 30,000 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.

Techs Used: Spring Framework, Twitter Bootstrap, Web Services

- Wrote a Mobile version of the "Cardholder" site with Spring & JQuery
Mobile

IT ARCHITECT, PAYCHEX (FORMERLY FAST401K/EPLAN SERVICES), DENVER CO

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.

EDUCATION

BACHELOR OF SCIENCE IN COMPUTER SCIENCE – MAY 1996

ASSOCIATE OF SCIENCE IN COMPUTER SCIENCE -- DECEMBER 1993

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

PUBLICATION WORK

Technical Reviewer for multiple Manning Technical Publications including:

- Enterprise Java Microservices
- OpenShift in Action
- Securing DevOps
- Microservices Patterns

Technical Reviewer for Packt Publishing's Extending Jenkins

ISBN: 978-1785284243

Contributor for More Agile Testing: Learning Journeys for the Whole Team

ISBN: 978-0321967053