Zach Calvert

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**Senior Software Engineer**

**SUMMARY**

Skilled software engineer focused in server and back-end development on teams practicing Agile Methodologies. Expertise includes Java, git, Atlassian utilities, unit testing with mocks, continuous integration, server architecture, performance testing, Linux server diagnostics, server virtualization, integration testing, automation scripting, and requirement analysis.

**PROFICIENCIES**

*Java - 11 years*

Spring, Hibernate, OSGi, JUnit, CXF, JDBC, ServiceMix, Maven, JMockit, Camel

*Atlassian Development Utilities - 5 years*

Stash, Jira, Bamboo, Confluence, FishEye

*SQL - 11 years*

Oracle, PostgreSQL, MySQL, MS SQL Server, JAXB, Hibernate ORM

*NoSQL - 1 year*

MongoDB, Redis, Cassandra, Hibernate OGM

*Virtualization - 4 years*

Docker, Amazon EC2, Oracle VirtualBox, VMware vCloud, VMware Workstation

*Linux - 7 years*

Server management, Bash scripting, Python, performance monitoring

*Development Toolkits - 11 years*

Git, IntelliJ, Eclipse, Subversion, Ant, SecureCRT, Babun, Cygwin

*Front-End Web - 3 years*

SPA, AngularJS, JQuery, Javascript, HTML 5, CSS, Struts, Velocity

*Security Mitigation - 8 years*

SSL, WireShark, salted hashing/encryption, firewall configuration

*Server Clustering and Disaster Recovery - 8 years*

Geo-redundancy, Active/Active, Active/Passive, recovery analysis

*Performance Testing - 4 years*

JMeter, Thread Dump Analyzer, Garbage Collection Viewer, JConsole

*Endpoint Management - 3 years*

APNS, GCM, XMPP, Ejabberd, Erlang

*Continuous Integration - 5 years*

Bamboo, Jenkins, Hudson

*Deployment Support and Diagnostics - 4 years*

WireShark, JConsole, GCViewer, IBM Thread Dump Analyzer

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**EXPERIENCE**

**TEKsystems** Dallas, TX *March 2016 - Current*

Contractor for TEKsystems as Java Technical Lead at Southwest Airlines leading a team of developers managing a passenger data service which exposes persisted content via SOAP APIs and consuming messages off of a bridged Message Queue built on JMS. Technologies include CXF SOAP, JMS MQ, git, JAXB, Oracle, Tomcat, and Python for service deployment automation.

**XpressDocs** Fort Worth, TX *July 2015 - March 2016*

Responsible for migrating a team from waterfall development to Agile Methodologies. Provided development leadership in updating products from Java 6 to Java 8, Ant to Maven, develop CI and CD Jenkins builds, work with IT to deliver JMX monitoring touch points, and aid in developing Jira workflow to meet our team’s needs. Independently developed an integration service API that provided a 750% performance improvement in CASS and NCOA address validations.

**Dynamit** Fort Worth, TX *April 2015 - June 2015*

Developed a Hippo-CMS server Tomcat base complete with custom REST services. Technologies used include Jenkins, Maven, IntelliJ, Git, JMeter, Jira, and Oracle Virtual Box. Responsible for performance testing, initial project architecture, REST service implementation, and unit testing.

**Alcatel-Lucent, Contractor** Austin, TX *June 2009 - April 2015*

Provided software contracting services for server development within the telecommunications industries including mobile endpoint management, call prevention services, mobile fix-it services, and electric smart metering network solutions. Responsible for service architecture and implementations including mobile messaging, cluster architecture, and disaster recovery. Technologies used include Spring-DM, Hibernate ORM, OSGi, JMeter, Eclipse IDE, Apache ServiceMix, Camel, Subversion, JConsole, Wireshark, Linux, Solaris, and ejabberd.

**TransUnion** Austin, TX *January 2005 - April 2009*

Implemented server and desktop solutions for the real estate industry including automated flood zone determination software, floodplain research utilities, flood zone certificate point-of-sale, and home appraisal server. Technologies used include Apache Struts, OSGi, JUnit, SOAP, JNI, MySQL, PostgreSQL, Oracle, and RCP.

**EDUCATION**

**University of Texas at Arlington** *January 2000 - December 2004*

Graduated *summa cum laude* with a Bachelor of Science in Software Engineering