

Zach Calvert
Cell: (817) 614-8938
Email: ZachCalvert@ZachCalvert.com

Senior Software Developer

Experience

April 2009 - Current *Heмера, Inc* Austin, TX
Started a software contracting firm to design and implement solutions for various business needs. Worked primarily on telecommunications software for Motive, a subsidiary of Alcatel-Lucent.

ECS 2.0 Project, Q3 2011 - Q4 2011

Designed and developed various Spring-DM OSGI bundles for deployment in Apache ServiceMix as a tier component for a push notification system supporting PC, Mac, and mobile platforms. Integration work included hooking into Camel-XMPP for EJabberD messaging, CXF for front-end REST APIs, and designing data storage solutions for account management.

BCM 7.1, Q2 2011

Automated an eight hour manual deployment of a server suite and database for testing purposes. Delivered a five minute manual process with four hour automated delivery. Reduced complexity and opportunity for manual error, with full logging and error notification. Solution was designed using Selenium, Bash, STAF, JUnit, and integration into VM Lab Manager's SOAP API for machine management.

CAF 1.0, Q1 2010 - Q2 2011

Worked on a team developing a PC solution for an application store built on top of OpenJDK and the Apache Felix OSGI stack. Created a Jetty front-end for the client to communicate to the locally installed solution through their web browser, accessing applications, PC help flows, and account management. The solution also provides a fully extensible stack for application development by third parties.

BCM 7.0, Q2 2009 - Q4 2009

Provided support in moving the BCM project suite from a CVS centralized repository, built using manual bash scripts with no integrated artifact manager to a robust Maven build system centered upon an SVN repository with Atlassian build and project management tools. Also performed maintenance updates to an Eclipse RCP application, including updating RCP plugins as well as rewriting the application installer from scratch using NSIS.

January 2005 - April 2009 TransUnion Austin, TX
Joined an experienced team of software developers providing flood research solutions as well as automated home valuation software for real estate and credit reporting industries.

Hornet, Q1 2007 - Q2 2009

Converted a legacy home valuation system capable of providing 30 valuations per second to a custom RAM solution database capable of producing 15,000 valuations per second using a single server with an 8GB RAM footprint. Major factors contributing to the improvement included a new geospatial indexing architecture, custom RAM management, multi-threading techniques, and JNI bridging.

Hard Rain III, Q1 2005 - Q1 2007

Developed a flood research application integrating many different data providers into an Eclipse RCP (OSGI) based application. Provided map synchronization and various research and geospatial toolsets to achieve pinpoint accuracy for flood plane identification.

Education

January 2000 - December 2004 University of Texas at Arlington Arlington, TX
Graduated summa cum laude with a 3.8 GPA with a focus in breadth of languages including C, C++, Java, SQL, Visual Basic, Lisp, and Prolog.

Selective Skillset Summary

Java - *Expert*
OSGI - *Intermediate*
Spring - *Intermediate*
Hibernate - *Intermediate*
Apache ServiceMix - *Intermediate*
RCP - *Intermediate*
JUnit - *Expert*
REST - *Intermediate*
JMockit - *Expert*
Web Development - *Expert*
Weblogic - *Intermediate*
Apache Tomcat - *Intermediate*
SQL - *Intermediate*
Agile Methodologies - *Intermediate*
Test Driven Development - *Expert*
Linux - *Intermediate*
Bash - *Intermediate*
Objective C - *Novice*
Atlassian Tools - *Intermediate*
Maven - *Intermediate*