Jason Lee

2416 NW 176th Street, Edmond, OK 73012
(405) 343-1964
jason@steeplesoft.com
http://blogs.steeplesoft.com

Executive Summary

I am a software developer with over 16 years of experience writing web/enterprise applications, primarily with Java EE technologies: JavaServer Faces (JSF), Java Persistence API (JPA), Java API for RESTful Web Services (JAX-RS), Enterprise Java Beans (EJB). I have been working on Cub Tracker, an Android-based Cub Scouting application for the past 3+ years. I have also extensively used other languages (Python, PHP, and JavaScript).

Experience

Sun Microsystems/Oracle – Principal Member of Technical Staff, July 2008 - Present

- Module owner for RESTful administration interface. Responsible for leading the design and development of the module, based on JAX-RS.
  - Normalized and stabilized the API
  - Designed and implemented dynamically-generated client wrapper classes, which provide type-safe wrappers for clients that are specific to configuration of the target server
  - Designed and implemented an extensible data model and REST resource framework, which allows third party developers to extend the REST interface at runtime
- Member of Administration Console Team
  - Helped design and implement ajax navigation, including client-side as well as server-side framework design and implementation, reducing page load times from as high as 5 seconds to under 0.5 seconds
  - Helped implement new composite templating solution to reduce markup duplication, which leads to faster development and easier maintenance
- Led the effort to develop unit and integration tests for both the Console and REST interface, thus increasing the reliability of the product and reducing the chances of feature and stability regression
- Speaker at the JavaOne, JAXConf, JSF Summit (formerly JSFOne), Oklahoma City Java Users Group, and Tulsa Techfest

Cub Tracker – Creator and developer, April 2011 – Present

- Designed and developed an Android application for tracking the progress of one or more Cub Scouts. Achievements, electives, belt loops, pins and badges can all be recorded for each scout, and a report can be generated and emailed to den or pack leadership.
- Application currently has almost 3,800 installations on a variety of devices and Android versions (2.2 – 4.4)
- Currently implementing REST-based synchronization support to allow parents/leaders to share data across devices.

Objectstream, Inc. - Software Architect, May 2007 – July 2008

- Contracted with the Air Traffic Organization of the FAA working with Oracle Containers for Java and other Oracle technologies
- Worked with the project managers, business analysts and technical writers on my team to evaluate requirements and develop the architecture for the proposed solution
  - Designed and proposed a large training tracking system using technologies such as JavaServer Faces and the Java Persistence API targeted at a user base of over 39,000 users.
- Worked with development teams to implement the system designed by my team.

International Environmental Corp. - Senior Software Engineer, Jan 2005 - May 2007

- Functioned as the de facto architect for small team of four developers
  - Migrated team from ad hoc solutions to a more cohesive and coherent platform using Java EE 5 and the Spring framework
- Proposed and managed implementation of JavaServer Faces as core web user interface technology
- Researched, planned and implemented migration to Java EE 5 using GlassFish v1
  - Was responsible for the installation and maintenance of the GlassFish instances as well as the database instances against which the systems ran.
- Developed a unit testing pattern for testing EJB3 session beans
- Mentored and trained teammates on new or unfamiliar technologies
- Implemented a continuous integration server using Hudson
- Implemented migration from CVS to Subversion
- Migrated our databases from MySQL 4 to PostgreSQL 8 to achieve higher availability, reliability and data integrity.
- Developed complex Ant-based build system, including custom-developed dependency resolution, reducing the amount of boilerplate code required to bootstrap a project
- Developed web applications using JavaServer Faces, EJB3, and Ajax
- Contributed several JSF components to the JSF RI (Mojarra) Sandbox

Hobby Lobby Stores, Inc - Programmer Analyst, July 2001 - December 2004

- Assisted in the evaluation and implementation of a WebLogic Application Server
- Assisted in the evaluation, development, and implementation of a new credit card authorization system
  - Java-based system acted as intermediary between the Windows-based credit card scanners in the stores and the remote, third-party transaction processing service.
- Migrated AIX-based store system to Linux-based, redundant, high availability system
- Maintained Delphi-based Back Office system, which ran in all 320+ stores
- Managed and maintained the credit and gift card network

Red River Solutions, Programmer/Analyst, July 1998-July 2001

- Helped design and architect a work flow system that would replace a legacy FoxPro System
- Helped design a custom, CORBA-like C++-based communication system to allow our system to be distributed
- Was the team lead for the front-end team, producing GUI applications in C++Builder and JBuilder
- Designed and implemented a Java AWT client that communicated with the back-end via a Java port of our communications library
- Installed, designed and managed our Oracle database server
- Attended several Oracle administration classes
- Managed our Linux-based server, housing DHCP and Apache/Bugzilla servers

Wal-Mart Stores, Inc., Programmer/Analyst, June 1997-July 1998

- Helped design and implement an extension to the decision support system for the Logistics department
- Developed and maintained several Unix ESQL/C and mainframe COBOL applications

Open Source Experience

Mojarra Scales Founder and lead developer (https://scales.dev.java.net)
Mojarra Committer (https://javaserverfaces.java.net)
JSFTemplating Committer (https://jsftemplating.java.net)
JavaServer Faces 2.0 (JSR 314) Expert Group

Publications

Tips for Writing Pluggable Java EE Applications – Java Tech Journal
   http://jaxenter.com/java-tech-journal/JTJ-2012-06
JSFTemplating and Woodstock: Component Authoring Made Easy – Sun Developer Network
   http://java.sun.com/developer/technicalArticles/J2EE/jsf_templating/index.html
IEC donates custom JSF component to Mojarra Scales – Sun Microsystems
   http://www.jsfcentral.com/articles/trenches_7.html
Jason Lee: Postmortem for JavaOne 2008 – The Server Side
   http://www.theserverside.com/news/thread.tss?thread_id=49343
IEC: A Cooling Company Which Prefers Hot Software – Sun Microsystems
   https://blogs.oracle.com/stories/entry/international_environmental
Jason Lee in depth: Mojarra and Scales – JSFCentral
   http://www.jsfcentral.com/articles/lee-03-09.html

Associations and Memberships

Member of the Board of Directors and former president, Oklahoma City Java Users Group
(http://okcjug.org)
Cub Scout Den Leader, Cub Scout Pack 349, Edmond, OK
Assistant Scoutmaster, Troop 386, Edmond, OK
Karate Instructor, ABKA, Piedmont, OK

Education and Certifications

B.S. Computer Science
Oklahoma Baptist University, Shawnee, OK
August 1993 - May 1997

Sun Certified Java Developer (SCJP 5.0)
September 2006