

Zoë E. Gagnon

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EDUCATION *Bachelor of Science, Computer Science*
Metropolitan State University of Denver, Denver CO, 2010
Minor: Mathematics

EXPERIENCE *Scala Developer* October 2013 - Current
Placeable, Denver CO

- Created a system for generic data manipulation and export in a Play 2.2 based service.
- Developed and implemented a migration path from multiple Play instances to a clustered Akka actor system, using Mongo capped collections as an event bus.
- Created documentation of API for internal and external use.

Technology keywords: Scala, Play 2.2, SBT, Akka, MongoDB, Git, Cucumber

Software Engineer Aug 2011 - Aug 2013
ClickFox, Denver CO

- Developed and maintained industry-leading cross-channel business analysis tools in Java using distributed GreenPlum databases and GridGain compute grids.
- Drove adoption of modern tools and practices, including best practices of Mercurial source control and Maven build tool, and integration of Jenkins build server with Redmine issue tracking.
- Championed usage of agile methodologies, including the recent adoption of a two-week sprint and test driven development.

Technology keywords: Java, Tomcat, Hibernate, JDBC, JSON, BlazeDS, Postgresql, GreenPlum, GridGain, Mercurial, Maven, Jenkins CI

Java Engineer Aug 2010- May 2011
Innoprise Software, Broomfield CO

- Lead developer on a time-card entry system presented in the Eclipse Rich Application Platform, hosted using GlassFish OSGI, to integrate with the Innoprise enterprise resource planning tools.

Technology keywords: Java, GlassFish, Eclipse, Eclipse RAP

Lead Software Quality Assurance / Software Developer Mar 2009 - Aug 2011
Regis Learning Solutions, Inc (now The Regis Company), Golden CO

- Developed and implemented test plans for e-learning software. Testing involved creating test scripts on GUI intensive applications, and exploratory testing in identified problem areas.
- Added Section 508 Accessibility compliance to a SCORM framework in ActionScript 3.
- Created tools to quickly visualize XML configuration files using Java 6.

Technology keywords: ActionScript 3, manual testing, Java, XML, SCORM, Section 508

COMPUTER SKILLS *Professional use:* Scala, Play 2.2, Akka, SBT, MongoDB, Java, ActionScript3, SQL(Postgres), Maven, Mercurial, Jenkins, Linux, Tomcat, OSGI, SCORM, XML, Bash, GreenPlum,

GridGain, PL/Java, Scala, Spring, Guice, Apache CFX, JDBC
Open Source and Private use: Ruby/Rails, Common Lisp, Clojure, C, Perl5, L^AT_EX

GROUPS AND ACTIVITIES

- Charter member; Treasurer: Art of Code computer technology discussion group. We foster continuing education and networking for students and alumni of the Auraria Higher Education Center schools (Community College of Denver, Metropolitan State University of Denver, University of Colorado at Denver).
- Association of Computing Machinery
- Bike Colorado bicycle ride and Facebook group.