

## Steven E. Newton

### Executive Summary

- Polishes old code
- Understands business needs
- Leads agile teams
- Mentors junior programmers
- Detangles knotted processes
- Tackles tough problems
- Jack-of-all-languages
- Defuses crises with humor

### Skill Summary

**Skills** Working with legacy/heritage code, Bug finding and fixing, Quick problem solving

**Languages** Go, Java, JavaScript/ES6, Ruby, Perl

**Frameworks and Persistence** passport-js, gorilla-mux, dropwizard, redis, PostgreSQL, MongoDB, MySQL

**OS and environments** Linux, OS X, Windows, AWS, docker, Kubernetes

**Coding environments** VS Code, IntelliJ,

**Tools** git, maven, CircleCI, Jira, cucumber

### Work History

#### Senior Go Engineer — Eliassen, 8/22 - 5/23

Alaska Airlines Check-in Modernization Program

#### Senior Software Engineer, Team Lead — Xandr, 4/19 - 5/21

UXUA: Universal Xandr User Authentication

Extending single sign-on across all customer-facing applications with SAML and OpenID Connect. Federated identity management, identity mapping, and account mapping

Environments: auth0, SAML2, OIDC, docker, kubernetes, dropwizard

**Senior Software Engineer, IGNW — Xandr, 10/18 - 3/19**

AppNexus Console

Implementing single sign-on for a web application with SAML and OpenID Connect

Environments: SAML2, kubernetes

**Software Engineer, Treetop Commons, LLC, Portland, OR, 02/17 to 10/17**

NobleHour and Collaboratory

Major contributions include correcting, improving, and stabilizing SAML2 service provider implementation, s3 asset management improvements, refining and expanding cucumber integration tests, and implementing Go-based microservices.

- Improved the spec-compliance and flexibility of a custom in-house SAML2 service provider implementation
- Implemented key vagrant vm configurations for developing and testing SAML SSO configurations
- Provided key feedback to product and customer success teams for responding to complex and demanding customer needs
- Helped identify and reduce technical debt while maintaining rapid release schedule meeting customer needs
- Maintained test Shibboleth SAML2 IdP
- Expanded and improved cucumber test framework
- Promulgated standards for developer tests and pre-commit discipline.
- Contributed to improving git flow for development process

Environments: Go language, SAML2, cucumber & gherkin, vagrant, docker, gorilliamux, nginx, git, AWS, redis, PostgreSQL, Logstash, Elasticsearch and Kibana, Jira, CircleCI

**Lead Software Engineer, Janrain, Inc, Portland, OR, 07/12 to 04/15**

Social login platform built on a variety of technologies and deployed wholly on AWS

- Migrated Java Spring application persistence layer from Amazon SimpleDB to redis
- Raised uptime of key component to five 9s
- Team lead for small-medium teams
- Release planning in collaboration with product manager
- Assisted in migration of backend services to Scala microservice architecture

Environments: Java 7, Tomcat, Spring, Scala, Spray, Ruby, nginx git, sbt, jenkins, puppet, AWS, redis, PostgreSQL

**Lead Java Application Engineer, Nike, 03/08 to 05/09**

C2CIM project for footwear design and product lifecycle management

- Mentored contract programmers
- Acted as build engineer for complex multi-step build.

Environments: PTC Windchill, Ant, ClearCase, Spring MVC

**Java Consultant, CSG Professional, 04/04 to 05/06**

eXPRS project, handling millions of dollars in state funding for disabled and indigent care recipients

- Developed and maintained automated build system
- Mentored and taught effective unit testing tools leading to improved productivity
- Key designer and developer of security component
- Assumed role of QC lead in transition to maintenance mode
- Resolved J2EE transaction-related problems

Environments: Java/J2EE, WebSphere, EJB, IBM DB2, Ant, svn

**Senior Programmer/Analyst, Standard Insurance Company, 03/01 to 08/03**

- Initiated mentoring program for junior programmers
- Developed and document bug tracking process
- Enhanced and deployed web framework built on XML with XSLT

Environments: Java, IBM/Tivoli Security Access Manager, Ant

**Senior Software Engineer, Qsent, Inc., 08/00 to 02/01**

- Developed internal call center routing application
- Key designer of business model objects

Environments: Java JSP, XML/SOAP, EJB 2.0, Swing

**Senior Software Consultant, Meridian Technology Group, 04/00 to 08/00**

- Integrated user access control components with web applications
- Developed Java Swing front end for live streaming media

Environments: Java, Oracle JDBC, COM, JNI

**Contract Software Developer, Verio, Inc., 11/99**

- Developed network monitoring plugins
- Worked remotely

Environments: Perl, PerLDAP, SunOS

**Object Designer, Technicalities, Inc, 2/98 to 09/99**

- Developer on the Oh!, and Ohtion projects
- Wrote Java JNI to C bridge to WordNet lexicon
- Created custom build scripts

Environments: Java, Windows, BEA EJB server, Sybase, NLP WordNet, JNI, JMS Microsoft Visual SourceSafe

**Media Software Implementer, Houston Chronicle Interactive, 03/97 to 08/98**

- Deployed and maintained a directory of businesses with location mapping
- Maintained system to push print classified ads to web site
- Developed site end user registration and authentication system

Environments: Perl, Apache, embedded Perl, Sybase, ETAK

**Network Support Specialist II, University of Texas at Houston, 12/94 to 03/97**

- Deployed LDAP & X.500 directory services and built custom desktop and web applications to access it
- Part of the team to bring up first World Wide Web server at UT Houston
- Founding team member of Office of Academic Computing

Environments: C, TCP/IP

## **Education**

University of Texas at Austin

Bachelor of Journalism

1982-1987

Coursework was primarily documentary photojournalism; electives included 20 hours of computers science courses covering algorithms, FORTRAN, Pascal, assembly language, and Prolog