# 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, PostgresSQL, 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 implemenation
* 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, PostgresSQL, 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, PostgresSQL

##### 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