

## 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

### Professional Experience

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

Alaska Airlines Check-in Modernization Program

Migrated the check-in experience from a third-party platform to modern, in-house Go in Kubernetes system

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

UXUA: Universal Xandr User Authentication

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

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

AppNexus Console

Implemented federated single sign-on for the core product website with SAML and OpenID Connect

#### 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

### **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
- Planned releases in collaboration with product manager
- Assisted in migration of backend services to Scala microservice architecture

## **Relevant Skills**

**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, major relational databases

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

**Coding environments** VS Code, IntelliJ, Eclipse

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

## **Education**

University of Texas at Austin, Bachelor of Journalism

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