

Tristan Lundgreen

Salt Lake City, Utah

Software Quality Assurance Engineer | Quality first in design, automation, and life.

As a Scrum certified developer, I understand the importance of delivering high-quality products. Emphasis on quality is a philosophy I've taken to heart, applying it in all areas of my life— both professional and personal. I specialize in creating time-efficient, highly maintainable mobile and desktop test automation using Python, Robot Framework, and other tools while employing both manual, API, and security testing to catch issues before they ever hit production. I work with Agile-oriented teams in full-time positions.

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TECHNICAL & TESTING EXPERTISE

Test automation

Mobile (iOS)

Functionality

Backend

Exploratory

API

Ruby (Learning)

HTML /CSS

Python

Security

BDD

Robot Framework

Selenium

Azure DevOps

JavaScript

Swift/ SwiftUI

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WORK EXPERIENCE

AVP, Lead Software QA Engineer

Sunwest Bank | 03/2023 - Present

- Architecting QA automation from the ground up across web, mobile, and API domains utilizing Python and Robot Framework with Selenium Webdriver
- Hardening applications against external threats with security-focused initiatives
- Building Azure DevOps Pipelines to deliver rapid, automated test feedback
- Leading QA Efforts for applications concerning credit cards, cross-border exchange, iOS and web-based payment portals, bank account/loan applications, API switchboards, and HSA platforms
- Designing app UX and user-flow for web, iOS, iPadOS, and VisionOS platforms
- Creating comprehensive best-practices and standards for present and future QA
- Preparing patent process for innovative, blockchain-integrated check validator
- Programming front-end interfaces for internally facing and novel applications
- Managing new internship program to up-skill QA and computer science students

Software QA Engineer

Talentpair | 09/2022 - 02/2023 (Reduction in force)

- Built efficient, easily maintainable tests for dozens of product features using Robot Framework and Python
- Established mobile testing based on usage statistics using Appium and Sauce Labs
- Improved CI/CD test report accuracy by building retest system in GitHub Actions
- Increased test durability and decreased pipeline runtimes by optimizing QA automation codebase
- Analyzed and addressed holes in test coverage of legacy features by implementing new documentation procedures

EDUCATION

Software QA Apprenticeship

Summer 2022

B.S., Metallurgical Engineering

University of Utah, May 2022 - 3.4 GPA

Certificate of Completion, Gen. Ed.

Salt Lake Community College, May 2017

PERSONAL PROJECTS

WidgetWeight - Self (Ongoing)

- Building a free, open-source iOS, iPadOS, and watchOS app using Swift and SwiftUI
- 100% HealthKit integrated, calling Apple's exercise and fitness APIs

Professional Portfolio - Self

- Learned JavaScript, HTML, and CSS to design and build professional website without use of existing frameworks
- Engineered JavaScript-powered HTML-injection to practice D.R.Y. principles
- Employed established design philosophies for intuitive front-end experience

Project GitGud - QA Community (Ongoing)

- Mentored multiple up-and-coming QA professionals as volunteer teacher
- Taught QA students about software testing, Agile, programming, interviewing and more

Manual QA Volunteer - Anonymous Client

- Investigated and filed 100+ detailed bug reports for server emulation developers
- Covered functional and exploratory domains

REFERENCES

Melissa Montanez,

Sr. Software QA Engineer - Contractor

Matthew D. Thornell,

Sr. Software QA Engineer - Werner Enterprises

Albert Frei,

Software Engineer - bioMerieux

