Avery Jacobson

Minneapolis, MN 55415 | averyajacobson@gmail.com Portfolio

Seeking an opportunity as a Full Stack Developer or Software Development Engineer in Test.

Professional Summary

Full Stack Developer & SDET with over 10 years of expertise in software development and quality assurance. Extensive experience in creating and executing comprehensive test suites, CI/CD pipelines, and agile processes to deliver high-quality software solutions. Proficient in Java, Selenium, and BDD frameworks, along with a wide array of programming languages. Known for strong problem-solving skills, strategic thinking, and effective cross-team collaboration, resulting in optimized development workflows and scalable systems.

Education

Coding Boot Camp Certification
University of Minnesota, Minneapolis, MN
6/16/2024-12/12/2024

Associate of Applied Science in Computer Science
Associates in Applied Science in Foundations of Engineering
Normandale College – Bloomington, MN
- Tutored Math, Physics, Computer Science
- Math club president
- SQL Certification

Associate of Computer Software Technology
ITT Technical Institute, Eden Prairie, MN

High School Diploma
Edina High School – Edina, MN

Core Competencies

- **Languages**: Java, Python, JavaScript, React, Typescript, C, C++

- **Database Technologies**: SQL, PostgresSQL, MongoDB, GraphQL

- **Testing & Automation**: Selenium, Cucumber, Appium, TestComplete, Maven

- **CI/CD & DevOps**: Jenkins, Bamboo, Docker, Jest, Cypress

- **Tools & Platforms**: JIRA, TestRail, Git, GitHub

- **Methodologies**: Agile, SDLC, BDD, TDD,

- **Cloud Technologies**: Azur

Senior Software Engineer
Wells Fargo, Minneapolis, MN
August 2021 – April 2024

- Developed and executed integration and regression testing scripts using Java, Selenium, and BDD (Cucumber) for Wells Fargo's brokerage platform.
- Built CI/CD pipelines with Jenkins and Maven, reducing manual testing time by 30%.
- Collaborated with cross-functional teams to troubleshoot defects, enhancing application stability.

Software Test Engineer
Wells Fargo, Minneapolis, MN
March 2020 – August 2021

- Created BDD automation scripts in Java and Selenium for the CORE mortgage tool.
- Conducted end-to-end testing with continuous integration to validate loan processing accuracy.
- Executed test cases using Application Lifecycle Management tools, helping identify critical bugs in product pricing.

Senior Software Technician
Stratasys, Eden Prairie, MN
September 2017 – December 2019

- Led the setup and integration of TestRail and JIRA for test case and automation management.
- Automated test cases for industrial 3D printers using JavaScript and Python, increasing testing efficiency by 40%.
- Trained interns and new hires in automation tools and test case writing, receiving a company Spark Award for exemplary performance.

Software Technician
Rockwell Collins, Cedar Rapids, IA
January 2017 – August 2017

- Designed and tested critical flight systems for the aviation industry in an Agile environment.
- Developed automation scripts in Python and set up CI pipelines in Bamboo to automate testing workflows.
- Supported systems engineers with bus development and testing for proprietary aviation software.

Test Engineer
RTI, Shakopee , MN
Mar 2016 – Sep 2016

- Designed and implemented automated test frameworks for home automation hardware and software, ensuring seamless integration with OEM and third-party systems.
- Deployed and configured a test case management server integrated with Redmine for efficient bug tracking and reporting. Tested radiology printers, adhering to FDA regulations for quality control.
- Developed and executed test cases for A/C Z-Wave light switches, verifying the functionality of associated automation software.
- Conducted comprehensive testing of remotes, control processors, in-wall and mounted touch display interfaces, Z-Wave devices, and audio/video distribution matrices.
- Installed and configured professional home theater systems, audio setups, and streaming devices (Apple TV, Google TV, Amazon TV, 4K), mastering protocols and interface technologies.
- Authored custom scripts using proprietary home automation software to automate system testing and enhance testing efficiency.

Software Quality Assurance Technician
Carestream, Oakdale, MN
May 2015 – November 2015

- Tested radiology printers, adhering to FDA regulations for quality control.
- Set up servers for printer interface and conducted verification testing, ensuring imaging systems met quality standards.

Software Test Engineer
Xirgo Technologies Inc, Edina, MN
September 2014 – March 2015

- Developed regression test scripts in C, utilizing Windows libraries for serial connection setup and data parsing.
- Created test cases based on device manuals and generated HTML reports with timestamps for each test case.
- Conducted positive and negative test case analysis, ensuring robust test coverage and accurate device functionality.