

Avery Jacobson

Minneapolis, MN 55415 | averyajacobson@gmail.com [Portfolio](#)

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

### Professional Summary

Full Stack Developer & SDET with 10+ years of experience delivering software solutions. Skilled in full-stack development, and automation, with expertise in C, C++, Java, JavaScript, React, TypeScript and Python. Proficient in RESTful/GraphQL APIs, SQL/NoSQL databases, CI/CD pipelines, and cloud-native development. Adept at leveraging frameworks like Selenium, Appium, Cucumber, and BDD to streamline testing and enhance application quality. Known for problem-solving, collaboration, and driving efficiency to achieve business goals.

### Education

#### Coding Boot Camp Certification

*University of Minnesota, Minneapolis, MN*  
*6/16/2024-12/12/2024*

#### Associates of Applied Science in Foundations of Engineering

##### Associate of Applied Science in Computer Science

*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*

### Core Competencies

- **Languages:** C, C++, Java, Python, JavaScript, React, Typescript, Visual Basic .NET, LISP, Assembly Language, OpenGL(libraries), HTML, CSS, VB Script
- **Database Technologies:** SQL, PostgreSQL, MongoDB, GraphQL
- **Testing & Automation:** Selenium, Cucumber, Appium, TestComplete, Maven
- **CI/CD & DevOps:** Jenkins, Bamboo, Docker, Jest, Cypress, Git Actions, CircleCI
- **Tools & Platforms:** JIRA, TestRail, Git, GitHub
- **Methodologies:** Agile, SDLC, BDD, TDD
- **Cloud Technologies:** Azur

## PROFESSIONAL EXPERIENCE

### **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 80%.
- 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 80%.
- 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.