



Quality Assurance (QA) Intern

Proximia Connect Testing
Proximia, Inc. • Bozeman, MT

Location: On-site — Bozeman, MT

Type: Intern (Full-time or Part-time)

Compensation: Commensurate with experience

Duration: Flexible; 3–6 months, with potential for a permanent position

Position Description

Proximia is seeking a Quality Assurance Intern to support testing of Proximia Connect, our Windows-based client application that bridges BLE/NFC proximity hardware with enterprise identity and access management systems. This role is designed for Computer Science students nearing graduation or recent graduates who want a hands-on role contributing to real, actively shipped software in a security-focused product environment.

You'll work on-site alongside our engineering team, executing test cases, documenting defects, and helping ensure that each release of Proximia Connect meets quality and reliability standards across its core components — from installer behavior and credential flows to BLE proximity detection and event logging.

You'll help write automated tests, assist and facilitate connecting our test systems, and help maintain a growing library of test cases and integrate these tools into our daily workflow. You'll leverage AI to help in test case writing, maintenance, debugging, and reporting. If you are excited about AI-assisted development, this role is built around it.

Responsibilities

- Write and maintain automated tests for web, api, and simulators
- Maintain and expand our suite of testcases; build tooling to help generate new tests and update existing tests as the product evolves
- Build scripts to connect various tooling and reporting tools together
- Help to build visual reporting structures with pass/fail trends and QA coverage metrics
- Write clear documentation for each subsystem you test and each automation tool you create
- Execute manual and scripted test cases across Proximia Connect components, including installation/upgrade paths, authentication flows (Microsoft Entra ID / OIDC), BLE and NFC proximity detection, and the system tray client UI
- Identify, reproduce, and file detailed defect reports using the team's issue tracking system
- Perform regression testing after bug fixes and pre-release smoke testing
- Validate installer behavior across supported Windows versions (install, upgrade, uninstall, silent/MSI deployments)
- Test integration touchpoints including Keycloak authentication, credential provisioning, and event log output
- Collaborate with software engineers to clarify expected behavior and edge cases
- Participate in release validation activities and contribute observations to release notes

Required Qualifications

- Currently pursuing or recently completed a Bachelor's degree in Computer Science, Software Engineering, or a related field
- Basic understanding of software development concepts and the Windows platform
- Strong attention to detail – ability to systematically identify, reproduce, and describe software defects
- Ability to work independently on well-defined tasks and give regular reports of progress
- Clear written and verbal communication skills
- Willingness to learn and work collaboratively in an on-site environment

Preferred Qualifications

The following are not required but may strengthen your application:

- Typescript/Javascript proficiency
- Comfortable with git, GitHub, and command-line tools
- Experience with AI development tools
- Experience with any test automation framework (Playwright, Cypress, Selenium, Maestro, etc)
- Database basics (SQL, PostgreSQL)
- Scripting/automation mindset
- Coursework or project experience involving software testing, debugging, or QA
- Familiarity with Git or other version control systems
- Experience with issue tracking tools (e.g., GitHub Issues, Jira)
- Basic understanding of Windows application deployment (MSI, installers, registry)
- Exposure to authentication concepts (SSO, OAuth/OIDC) or networking fundamentals
- Interest in security, identity management, or physical access control technology

Work Schedule

- Full-time or part-time (negotiable)
- On-site during standard business hours; schedule can be discussed

How to Apply

Submit a resume and a brief statement of interest to info@proximia.com