

Full Stack QA Engineer, IoT Systems

Location: Burnaby, BC

Type: Full-time permanent or contract

Role Summary

We are looking for a Full Stack QA Engineer, IoT Systems to lead quality assurance across our software stack, while also supporting validation of connected hardware and embedded systems. This role is primarily focused on testing web applications, dashboards, backend services, APIs, and end-to-end workflows across the platform. It also includes some hands-on testing of IoT devices, including bench testing, regression testing across versions, installation simulation, and field issue reproduction. The ideal candidate is comfortable working across software and physical product environments in a connected device company.

Key Responsibilities

Full Stack QA

- Develop and execute test plans, test cases, and test scripts based on product requirements and specifications.
- Perform manual and automated testing across frontend, backend, APIs, dashboards, and cloud-connected workflows.
- Validate functionality, usability, data integrity, and release readiness across the full product stack.
- Test backend APIs and integrations using Postman, Swagger, or equivalent tools.
- Collaborate with developers and product stakeholders to understand requirements, identify defects, and improve product quality.
- Document and track bugs using tools such as Jira, and support timely resolution.
- Build and maintain regression test coverage across software releases and feature changes.
- Help improve QA processes, release checklists, and test documentation.

IoT Systems Testing

- Support bench and system-level testing of connected devices and embedded systems.
- Perform regression testing across firmware, hardware, and software versions.
- Help reproduce field issues, support sensor calibration workflows, and document test results.
- Assist with installation simulation, reliability testing, and certification-related documentation as needed.

Qualifications

- Bachelor's degree in computer science, engineering, or equivalent practical experience.
- Proven experience in software QA across web applications, backend systems, APIs, and end-to-end workflows.
- Familiarity with manual and automated testing tools and best practices.
- Experience with Java and JUnit, or similar automated test development.
- Experience testing APIs using Postman, Swagger, or similar tools.
- Strong problem-solving, communication, and collaboration skills.

Advantageous Attributes

- Experience testing IoT software or connected hardware products.
- Experience with scalability testing.
- Experience supporting certification or reliability testing.