PDi
Communication Systems, Inc
Proven • Dedicated • Innovative

JOB DESCRIPTION

TITLE: Software Test Engineer (Android and Automation)

REPORTS TO: Supervisor & Sr. Software Project Engineer (full stack)

PRIMARY FUNCTION:
Help ensure the quality, reliability, and performance of PDi software products.

- Design and execute functional, integration, regression, system, and end-to-end tests across web, Android, and API layers.
- Build and maintain automated test suites for web, Android, and API testing that run automatically on every build and stay reliable.
- Use ADB, logcat, and Android Studio to diagnose device and app issues.
- Validate behavior across physical devices, OS versions, and configurations, including pairing, connectivity, and sensors.
- Test REST APIs and client-server communication using Postman or equivalent.
- Perform performance, load, stress, reliability, and recovery testing where appropriate.
- Reproduce issues, analyze logs and system behavior, and support root-cause analysis.
- Clearly document defects, test results, and quality risks.
- Work closely with engineers through development, troubleshooting, and release validation.
- Continuously improve test coverage, automation, and testing practices.

KNOWLEDGE AND EXPERIENCE:

- Bachelor's degree in Computer Science, Software Engineering, Information Technology, Computer Engineering, or a related technical field.
- 3+ years of hands-on experience in software testing or test automation, such as QA, SDET.
- Experience testing web and Android applications.
- Experience with Android debugging tools such as ADB and logcat.
- Experience with REST API testing.
- Experience building and maintaining automated test suites and pipelines from scratch using frameworks such as Playwright, Selenium, Appium, Cypress, or similar.
- Programming or scripting experience in at least one language, such as Python, Java, JavaScript/TypeScript, Kotlin, or C#.
- Strong debugging, problem-solving, and communication skills, with a genuine willingness to learn new tools, frameworks, and testing practices.
- Experience with one or more of the following is a plus:
    - Testing physical devices or connected hardware, such as IoT devices or basic hardware/software integration
    - SQL and database validation
    - Linux environments
    - Cloud platforms
- Must be able to meet deadlines and withstand moderate amounts of stress.

RESPONSIBILITIES INCLUDE:

- Resolving assigned bug reports in a timely fashion.
- Testing and validating across environments.
- Maintaining testing standards and runbooks.
- Collaborating with partners or vendors.
- Other duties as assigned or required.

MANAGEMENT RESPONSIBILITY: N/A