



Job Description:

Software Test Engineer Co-op (Full-time)

Integrated Biometrics, LLC
6150 W. Chandler Blvd
Chandler, AZ 85226

The Company

Integrated Biometrics (IB), designs and manufactures advanced, biometric fingerprint scanners and identity management software for border management, law enforcement, national ID, and a wide range of social services and commercial applications. The company's patented light-emitting sensor (LES) technology enables lightweight scanners that outperform traditional devices in size, power consumption, portability, and reliability. Implemented in over 100 countries around the world, Integrated Biometrics' products often operate in remote locations and under extreme conditions. Commercial enterprises and financial services organizations depend on IB technology to establish and enforce customer identity in accordance with national and international standards.

The Role and Responsibilities

Integrated Biometrics seeks to add a Software Test Engineer to our rapidly growing product development team. This US-based position will provide test planning, test creation, test execution and reporting of results for IB's various fingerprint scanner products and Software Development Kit (SDK) which is supported on various operating systems, programming languages and host devices. The successful applicant will work quickly, accurately and with a customer focus always in a fast-paced and rapidly growing organization.

The Software Test Engineer is a value-driven, intuitive testing team member that can use their software knowledge/skills to plan, execute and report testing results on IB's SDK with our various products/ scanners. This position's main purpose is to perform testing activities with each new SDK release, major hardware design changes to existing scanners, and each new product introduced. Testing will be performed on various host operating systems, such as Windows, Linux, and Android. Automation of test cases is the preferred method, but manual testing is also performed as needed.

Responsibilities include:

- Performing test activities as needed to support SDK releases and Samples provided by IB to our customers.
- Provide manual testing results on our sample applications provided in the SDK using all various fingerprint scanners.
- Run current automation test cases on our provided API's and help create new test cases when in between SDK release projects.
- Provide occasional support to our Support Organization on some reported SW issues related to our SDK.
- Provide input to testing plans, testing strategies and approach, automation platforms to improve IB's ability to provide good test coverage while keeping to aggressive schedules and cost constraints.
- Maintain a searchable repository of all test plans, test data and test reports
- Maintain and update existing automated scripts; also design and develop automation frameworks and automated testing on new projects from initial tool or technology
- Collaborate with other engineering disciplines to create physical automation tests.



The Position Requires:

- BS in Engineering or Computer Science
- Strong programming knowledge base (C, C++, C#, Java, Python)
- Experience with various operating systems including Windows, Linux, Android
- Ability to learn quickly any new languages needed as our products evolve and SDK support expands to other languages
- Ability to learn how to use our existing APIs to create use cases/test cases programmatically using various unit testing frameworks like Google Test, JUnit, and others
- Understanding of the basic Software and Hardware Development and Product Development and Manufacturing processes
- Ability to quickly learn fingerprint scanner use cases for biometric enrollment and verification, slap types, image scoring and quality etc.
- Ability to communicate technical issues to software team related to failures or problems found during testing, including screenshots, capture videos and writing reproduction steps
- Ability to travel domestically and international without restriction (up to 10%)
- Excellent communication (written and oral) and interpersonal skills
- Proven ability to work creatively and analytically in a problem-solving environment
- Experience with common office-related software including MS Office
- US Citizenship is required

Other Desirable Skills & Qualifications:

- Experience with Android Studio and application development
- Experience with USB hardware architecture
- Knowledge of internal platforms
- GitHub for Issue Reporting and Automation Test Case Development
- Unit Testing Frameworks and/or other Test Automation Tools/Frameworks
- Visual Studio, Android Studio
- Software Requirements, Testing Plans and Reports, Traceability Matrix, Defect/Issue Reporting
- Writing and maintaining test scripts
- Biometric industry standards and certifications

Integrated Biometrics is an equal opportunity employer, and all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity or expression, pregnancy, age, national origin, disability status, genetic information, protected veteran status, or any other characteristic protected by law.