



Job Description:

Senior Product Test Engineer

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

The Company

Integrated Biometrics, LLC designs and manufactures fingerprint sensors for law enforcement, military operations, homeland security, national identity, election validation, social services, and a wide range of commercial applications. Whether it is using the company's ground-breaking touchless SDK, or their patented FBI-certified light emitting sensor (LES) technology, IB enables lightweight, mobile biometrics that outperform traditional prism-based devices in size, power consumption, portability, and reliability. Identity management solutions providers, government agencies, and corporations around the world rely on Integrated Biometrics' products to provide identity quickly and accurately, even in challenging, remote locations.

The Role and Responsibilities

Integrated Biometrics seeks to add a Senior Product Test Engineer to join our rapidly growing product development team. This US-based on-site position will lead and manage product test planning for new and existing products, including test creation, test execution and reporting of results for IB's various fingerprint scanner products (contact and contactless) 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 Senior Product Test Engineer is a value-driven, intuitive testing team member that can use their software and hardware knowledge/skills to plan, execute and report testing results on IB's SDK with our various scanner products. This position's main purpose is to lead testing development activities with each new SDK release, major hardware design changes to existing scanners, and each new product introduced. Testing will be performed on various IB scanner hardware and 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:

- Lead product test activities to support new product development, SDK releases and Samples provided by IB to our customers.
- Responsible for reporting product testing results on our sample applications provided in the SDK using all various fingerprint scanners.
- Develop and manage current automation test cases on our provided API's and help create new test cases when in between SDK release projects.
- Develop and 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.
- Provide support to our Support Organization on some reported SW issues related to our SDK.
- Develop and maintain a searchable repository of all test plans, test data and test reports
- Develop and maintain and update existing automated scripts; also design and develop automation frameworks and automated testing on new projects from initial tools or technology
- Collaborate with other engineering disciplines to create physical automation tests, including unit testing and cycle testing.



The Position Requires:

- BS in Engineering or Computer Science
- 3-5+ years programming experience (C, C++, C#, Java, Python)
- 3-5+ years of experience with various operating systems including Windows, Linux, Android, iOS
- Ability to learn quickly new languages 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 internationally 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
- This position is on-site in Chandler, AZ.

Other Desirable Skills & Qualifications:

- Previous experience testing biometric devices
- Familiar with all levels of hardware, firmware and software product testing
- Full stack programming experience
- Experience with Android Studio and application development
- Experience with USB and camera 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.