

# Andrew Godwin

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## Senior SDET/QA Engineer

Experienced SDET with over 12 years of expertise in developing, testing, and delivering web and mobile software solutions. Proficient in manual and automated testing, QA processes, tools, and methodologies. Proven skills in coding, debugging, and troubleshooting technical issues with a proactive problem-solving approach. Demonstrated ability in establishing testing frameworks and infrastructure from scratch, as well as maintaining existing ones. Strong team leadership skills with a dedication to professional development.

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## SKILLS

Web and Mobile apps development background ♦ Software Testing ♦ Manual and Automated E2E Testing ♦ SOAP and RESTful API Testing ♦ SDLC, STLC, TDD, BDD, CI/CD ♦ Agile(SCRUM/Kanban) ♦ Coding & debugging (Java, Python, PHP, SQL, JS, Unix/Linux shells) ♦ Tools(Selenium, Appium, Rest Assured, Postman, Jira, Bitbucket, Confluence, TestRail, Git, Github, Maven, Gradle, Junit, TestNG, Jenkins, Google Cloud, AWS) ♦ Remote/Telecommuting ♦ Collaboration ♦ Communication ♦ Leadership ♦ Teamwork ♦ English proficiency.

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## WORK EXPERIENCES AND ACHIEVEMENTS

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### Solera Inc, Madrid

Nov 2021 – Present

#### *Senior Software Development Engineer in Test III*

- Create and execute comprehensive test plans for a critical software release, resulting in a 25% reduction in the number of high-severity defects reported by end-users. Conduct both manual and automated regression testing to ensure software quality and user experience.
- Collaborate with engineering, product owner, and customer service teams to identify, analyze, report, document, and track bugs/defects, producing detailed reports, verifying fixes, and conducting regression testing to eliminate 40 unique bugs.
- Engage in backlog refinement sessions, contributing to the definition of clear, testable acceptance criteria that align with user stories, needs and product goals.
- Created and maintained a comprehensive library of 300+ reusable test cases, enhancing testing efficiency and expediting the onboarding of new QA team members. Prioritize high-risk cases for efficient resource allocation, reducing time, cost and improving QA process by 35%.
- Automated tests for mobile applications, covering 80% cases, performed daily review, provided feedback, and participated in ongoing validation. Saved 2 hours of manual testing by automating complex Android and iOS features. Mentored and coached a team of junior engineers, resulting in a 30% improvement in code quality and a 40% reduction in bug count.
- Assist team in maintaining product documentation and contributing to knowledge transfer documentation to reduce onboarding time for new members and booth-campers.
- Wellness and root cause analysis: Conduct monthly RCA of SOS/Critical(P1/P2) bugs and defects to help understand why bugs escaped, reducing reoccurrence and improved stability by 35%.

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### Consolidated Alliance, Abuja

Jan 2019 – Nov 2021

#### *Freelance Software QA Engineer*

- Contributed to planning and design, review product code, formulate test scenarios, develop test automation frameworks, automate test scenarios using the frameworks, analyzes the results of the testing process and finally provided feedbacks on progress and risks.
- Executed test cases and scripts for manual and automated testing to detect and diagnose errors/bugs/flaws/UI/UX issues for the company's product lines involving web and mobile apps.
- Performed integration, regression and performance testing to certify the stability and usability of software systems and compile QA test outcomes for comprehensive feedbacks.
- Identified and resolved issues and testing bottlenecks, decreasing software testing time by 25%.

**Consolidated Alliance, Abuja****Dec 2015 – Dec 2018***Software QA Engineer*

- Saved 7 days of manual testing efforts by automating date input feature with a wide range of inputs.
- Automated manual test cases to reduce amount of time and effort spent on manual testing by 30%.
- Helped to resolve outages & participated in 5+ postmortem incident reports and provided feedback.

**National Institute for Hospitality and Tourism, Lagos & Abuja****Feb 2015 – Dec 2015***Software QA Engineer*

- Automated parts of the testing workflow improving functionality by 30%.
- Reported, documented and resolve bugs ensuring 100% coverage of the right features.
- Assisted in addressing defects/flaws and several UI/UX concerns improving usability by 20%.

**Flights Time InfoTech, Lagos & Abuja****Feb 2014 – Jan 2015***Software QA Engineer*

- Managed issues and provided feedbacks on progress & risks, resulting in operational savings of 15%.
- Resolved 250+ critical bugs in the product to improve functionality, stability and usability by 40%.
- Assisted Manager to reduce pressure by volunteering to take up more tasks, saving time and money.

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**PERSONAL PROJECTS**

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**• Blessed Fruit Foundation Website, June 28 2015 – Present - (Skills-based volunteering charity)**

Demonstrated software development skills by leading a 4-member team in volunteering, developing and maintaining a professional database-driven website with blogging system, photo gallery and an admin back-end control panel for a charity organization based in Lagos, Nigeria.

*Technologies used:* PHP, SQL, HTML, CSS, JavaScript, relational database (RDBMS – MySQL and MariaDB).

**Website URL:** <https://www.blessedfruitfoundation.org.ng>

**• NIHOTOUR Merchant Android App, July 2020**

Fully leveraged Java Android SDK to create an admin back-end mobile app for easy management of business logic and statistical database of hotel/bus/taxi listings and bookings. Project includes setting up development environment, developing source code from scratch to finish, building app with Java development tools and published to Google Play Store.

*Technologies used:* Java, Android Studio, ADB - Android Debug Bridge for debugging and testing, Android Developer Tools, Android SDK, Gradle build system, TestNG for TDD.

**App Store:** <https://play.google.com/store/apps/details?id=com.nihotour.admin.free>

**• AirBnB Clone, June 2020 - (Educational purposes)**

Led a team of 2 at Holberton School final year team project to create a Python-Flask web application, using a command line console to create a clone of AirBnB website and its basic functionalities.

*Technologies used:* Python, Flask, MySQL/SQLAlchemy, HAProxy, HTML, CSS, SQL, NGINX, JavaScript, Git, Github, Virtual Box, Vagrant, SSH, bash, Firewall, SSL/TLS.

- Engineered an internal API, file-based and SQL database storage systems.

- Created a custom command line testing console.

- Wrote bash scripts to configure NGINX server and UFW Firewall.

- Installed load balancers and secured site with firewall and SSL.

**Repository:** [https://github.com/pasignature/AirBnB\\_clone\\_v4](https://github.com/pasignature/AirBnB_clone_v4)

**• Google Summer of Codes, Dec 2019 - (Open Source Software Code Contributor - Jenkins Project)**

Participated in the Google Summer of Codes 2019 and worked on improving the performance of Jenkins Acceptance Test Harness (ATH), a framework for WebUI and Integration testing of Jenkins' components and plugins. End to end test suite for Jenkins automation server and its plugins.

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## EDUCATION

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- **Lagos State University, Lagos**

Bachelor of Science (B.Sc.) in Computer Science, 2016 – 2022  
(5-years Distance Learning Program - Weekend Classes)

**Honors:** cum laude (GPA: 3.6) - 4th year current

**Coursework Highlights:** Object Oriented Programming, Compilers, Data Structures and Algorithms, Database Management Systems, Operating System, Application Server Programming, Computer Network, Software Architecture, Technical Communication, Information System Security.

- **Holberton Software Engineering School, Tunis**

Certificate in Software Engineering, Jan 26 2020 - May 10 2021

**Coursework Highlights:** Onsite intensive project-based curriculum, Fullstack web development, low-level and high-level programming with emphasis on data structure and peer-learning. Modules include: Python, C, JavaScript, HTML/CSS, Databases, Bash, Git, Ansible, continuous integration and continuous delivery concepts and tools, Agile development approach, including coding standards, peer programming and code reviews, source control management, build processes, testing and operations.

- **Lagos State University ICT training Center, Lagos**

Diploma in Web Designing & Programming, Jan 2010 - June 2012

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## LICENSES AND CERTIFICATIONS

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- Google IT Support Professional Certificate by Google – Coursera, March 2021.
- IT Security: Defense against the digital dark arts by Google – Coursera, March 2021.
- Agile Software Project Planning and Management – Bright Network UK, Jan 2021.
- Software Quality Assurance – TestDome, Issued Jan 2021.
- System Administration and IT Infrastructure Services by Google – Coursera, Feb 2021.
- Operating Systems and You: Becoming a Power User by Google – Coursera, Dec 2020.
- The Bits and Bytes of Computer Networking by Google – Coursera, Sep 2020.
- Technical Support Fundamentals by Google – Coursera, Jul 2020.