

GARY ROBINSON, III

GenAI Certified QA Engineering Leader - Active Clearance

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SUMMARY OF QUALIFICATIONS

Strategic and forward-thinking QA Engineering Leader with over 15 years of experience driving quality, automation, and security across web, mobile, and enterprise platforms. GenAI Certified with a growing portfolio of applied AI experience, including leveraging generative AI to streamline test design, data analysis, and defect triage. Adept at integrating AI into quality workflows and leading teams through the adoption of modern QA practices, performance testing, accessibility, and DevSecOps. Demonstrated success guiding QA strategy for mission-critical systems in federal and commercial sectors. Actively pursuing opportunities to lead AI-driven quality initiatives that accelerate innovation and improve software reliability at scale.

CAREER HIGHLIGHTS

Results Delivered - Successfully led and implemented Quality Initiatives with Global and National impact for Amazon, United Healthcare, and the FEMA National Flood Insurance Program.

Bias for Action - In addition to developing Quality Practices from the ground up, successfully established agile processes to enable organized and transparent releases at Sentral and Flyreel.

Dive Deep - Discovered a critical bug impacting sensitive voice and location data transferred via a mobile app before a significant release was delivered to government and military organizations.

PROFESSIONAL EXPERIENCE

Steampunk

Jul. 2023 – Present

QA Engineering Team Lead - USDA / FEMA National Flood Insurance Program

- Manages a QA team of 4 engineers, establishing processes and tools, which enabled the successful launch of a flood insurance policy quote application in just 7 months.
- Built and maintained a comprehensive suite of 200+ API tests with data-driven capabilities using Postman, ensuring seamless integration and functionality across all application endpoints.
- Developed proficiency in Katalon and Axe DevTools to establish before training the team to perform functional, regression, automation, and 508 accessibility testing.
- Leads performance testing by guiding test coverage, automating nightly/weekly runs, and delivering actionable reports for each release..
- Constructed a Jupyter notebook in Google Colab to process and format thousands of rows of address data, enabling efficient data-driven tests that improved coverage by 30%.
- Led a comprehensive audit of QA practices across an entire organization comprising 12 application development teams, identifying critical gaps and improvement opportunities to ensure readiness for a Release-on-Demand cadence.

Sentral

Apr. 2022 – Mar. 2023

QA Lead - *Senrtal.com*, and *Reservation Lookup*

- Developed and executed test plans, cases, and scenarios for sentral.com's website and backend using Playwright and Postman to automate testing processes and increase efficiency.
- Implemented continuous integration and monitoring using ChecklyHQ to ensure real-time monitoring and alerting of test results and the stability of the software.
- Administrated JIRA (workflows, automation, release management, and project migration) and facilitated scrum ceremonies as needed for the Engineering organization.

Clearcover

Aug. 2021 – Apr. 2022

QA Lead - *Clearcover Car Insurance*

- Leveraged technical expertise while using Playwright, Jest, Postman, and CodeceptJS to write automated acceptance data-driven tests.
- Initiated root-cause analysis to determine factors affecting the process and identified opportunities to improve the development process.
- Facilitated the switch to a new test case management tool, providing requirements traceability, a holistic view of test coverage for all products, and integration with automated tests

Flyreel	Jan. 2021 – Aug. 2021
QA Architect / Scrum Master - Flyreel AI	
<ul style="list-style-type: none"> Implemented a test management tool, automation frameworks, and CI/CD pipeline using GitHub Actions, with JIRA and Slack integrations. Configured automated API tests by utilizing ChecklyHQ to provide performance tests, allowing us to determine performance regressions as soon as possible. Created mobile automated tests from scratch using TestProject to achieve test coverage for 90% of Android tests, which were previously manual, and reduced regression testing time by 2 days. 	
Rally Health (now part of United Healthcare and Optum Digital)	Feb. 2015 – Jan. 2021
QA Lead / Software Engineer / Security Advocate – UHC Find & Price Care	
<ul style="list-style-type: none"> Developed automated UI and API tests using Robot Framework (Python) and WebdriverIO (JavaScript), and utilized Jenkins to build/maintain continuous integration and other test runs. As a Security Advocate, developed and maintained a threat model and leveraged OWASP ZAP to identify potential vulnerabilities in our application before weekly releases. Paired with Developers, occasionally fixing bugs myself, with a full-stack approach to testing, verifying the front and back-end aspects of features upstream, often before code changes were merged. 	
Amazon	Mar. 2014 – Feb. 2015
Quality Assurance Engineer II / QA Lead – Amazon Appstore	
<ul style="list-style-type: none"> Collaborated with project managers and development teams to ensure proper test coverage, allowing for the successful delivery of multiple large-scale Appstore and Amazon Mobile Android client releases. Responsible for the scoping of features, test planning, test case creation, end-to-end testing, and driving the implementation of test automation. Delegated tasks within the QA team and reported test results to upper management and stakeholders, while being a vocal proponent for quality in every phase of the development process. 	
Taxi Magic (Now known as Curb)	Aug. 2013 – Mar. 2014
Senior Quality Assurance Engineer / QA Lead – Taxi Magic Driver App	
<ul style="list-style-type: none"> Collaborated with Engineers to develop manual and automated acceptance tests as they developed new features to mitigate bugs before features were deployed to QA. Initiated field tests involving different teams to analyze and assess the application in real-world circumstances. 	
RSA, The Security Division of EMC	Apr. 2013 – Aug. 2013
Principal SW Quality Engineer / Functional QA Lead – RSA, Security Analytics	
<ul style="list-style-type: none"> Developed test plans, functional test cases, and requirements traceability matrices. Prioritized and delegated tasks for a geographically dispersed QA team while performing all functional QA-related tasks. Facilitated weekly meetings with the QA team to determine current test coverage and identify gaps. 	
Reality Mobile LLC	Dec. 2011 – Apr. 2013
SQA Engineer / QA Lead – RealityVision Analytics	
<ul style="list-style-type: none"> Conducted device certification tests for the RealityVision application on iOS, Android, Windows Mobile, and BlackBerry devices. Utilized Robotium (JavaScript) to develop and execute automated tests for Android devices. Performed penetration tests (man-in-the-middle attacks) to ensure VOIP and XMPP encryption for the RealityVision application. 	
Symantec	Nov. 2010 – Dec. 2011
SQA Engineer / QA Lead – Managed Security Services	
<ul style="list-style-type: none"> Developed, maintained, and executed test plans, scenarios, and provided test summary reports. Conducted security assessments using Cenx Hailstorm to evaluate the security posture of the Managed Security Services management web application. Provided application support, collaborating with Security Analysts and Developers to reproduce issues, coordinate fixes, and relay communication back to customers. 	
Accenture	Apr. 2007 – Nov. 2010
Software Engineer – Test Analyst / PL/SQL Developer	
<ul style="list-style-type: none"> Accountable for preparing deliverables such as test cases, conditions, scripts, data, and reviewing deliverables with the client and internal stakeholders. Developed stored procedures in PL/SQL, testing assigned code modules, supporting product and system tests, and performing bug fixes as needed. 	

EDUCATION

George Mason University · *B.S. in IT, Concentration in Information Security (May 2012)*

CERTIFICATIONS

ExamPro

- GenAI Essentials Certified (Apr. 2025)

John Hopkins University

- The Data Scientist's Toolbox (Oct. 2016)

Massachusetts Institute of Technology (M.I.T.) / Accenture Solutions Delivery Academy

- Certified Application Tester (Nov. 2009)

TECHNICAL SKILLS

Software: GitHub, GitHub Actions, JIRA, Google Cloud (GCP), AWS, Jenkins, Postman, HP Quality Center, TestRail, Jenkins, Splunk, JMeter, Google Analytics, Wireshark, and Docker

Test Frameworks: Katalon, Playwright, Robot Framework, Selenium, Appium, CodeceptJS, WebdriverIO, and JMeter

Programming: JavaScript, HTML, Python, Shell scripting, JSON, and SQL