REGINALD WILLIAMS

SENIOR TEST ENGINEER (SDET) | TEST AUTOMATION ARCHITECT

London, UK | +44 7407 430022 | reggy_williams@hotmail.com | linkedin.com/in/reggywilliams

PROFESSIONAL PROFILE

Hands-on Senior Test Engineer and QA Automation Architect with 20+ years of experience in enterprise and government digital services, financial platforms and cloud environments. Skilled in building and improving automation-first UI, API and system integration test frameworks using Playwright, Cucumber/BDD, JavaScript, TypeScript, C# and Java. Experienced in system and integration testing, CI/CD quality gates, exploratory and non-functional testing, test governance and evidence-based release risk reporting. Reduced regression execution from three days to one day, supported daily releases and led teams of up to six QA engineers. Combines practical coding, debugging and mentoring with collaboration across development, product and delivery teams.

CORE TECHNICAL SKILLS

E2E / BDD automation: Playwright; Cucumber (BDD); Cypress; Selenium WebDriver; SpecFlow / Reqnroll; Page Object Model; NUnit; xUnit; JUnit; TestNG

Programming and code quality: C#; JavaScript; TypeScript; Java; Python; SQL; automation framework design, debugging, refactoring, peer review and maintainable test code

System / integration / API: System Testing (ST); System Integration Testing (SIT); REST API and microservices testing; Postman; OpenAPI / Swagger; SoapUI; .NET testing exposure

Performance, security and accessibility: JMeter; LoadRunner; OWASP ZAP; axe; exploratory testing; k6 (training/project familiarity — confirm hands-on level)

Delivery and version control: Git; GitHub; Azure DevOps; GitLab; Jenkins; GitHub Actions; CI/CD; Docker; Agile/Scrum; risk-based testing; defect management; test evidence

Cloud and data: Microsoft Azure; AWS; GCP; SQL and relational database testing; cloud migration and integration assurance

SELECTED IMPACT

- Cut automated regression testing from three days to one day through framework optimisation and parallel execution.
- Integrated UI and API automation into CI/CD pipelines to support continuous testing and daily release cycles.
- Led and mentored up to six QA engineers, promoting shared automation standards and test engineering best practices.
- Delivered QA strategy, integration and non-functional testing across regulated financial services and government systems.

PROFESSIONAL EXPERIENCE

Freelance Software Development & QA Automation Trainer – QA.com | Apr 2024 – Present

- Deliver hands-on SDET and software engineering training in Playwright, Selenium, Java, C#, BDD, API automation, unit testing and debugging.
- Develop practical automation frameworks and exercises covering maintainable test design, CI/CD integration, Docker, cloud testing and performance/security testing.
- Teach Git source control, branching, pull requests and collaborative code review workflows using GitHub and GitLab.
- Mentor engineers on automation architecture, refactoring, test coverage, defect investigation and delivery-ready engineering practices.

Senior Test Lead / Automation Specialist – HCL Technologies (UK) | Jan 2022 – Mar 2023

- Led test automation strategy for enterprise payments platforms, with emphasis on API, system integration and regression assurance.
- Designed and improved scalable automation frameworks and integrated automated suites into Jenkins CI/CD pipelines.
- Reduced regression testing from three days to one day through parallel execution and framework optimisation, supporting daily releases.
- Provided QA leadership, test engineering guidance and collaboration across delivery teams; supported AWS and GCP testing.

Test Analyst – Capgemini / DEFRA (UK Government) | Jun 2021 – Dec 2021

- Executed functional, API and non-functional testing for government digital services, including cloud migration and integration-related change.
- Prepared test plans, scripts, defect reports and test completion evidence; collaborated with architects, subject matter experts and project managers.

QA Lead – Collinson Group (UK) | Aug 2020 – May 2021

- Owned QA strategy and test delivery across concurrent Agile release streams; prioritised coverage and delivery risks.
- Implemented JavaScript-based automated regression testing using BrowserStack; championed BDD, ATDD and CI/CD practices.
- Mentored QA engineers and supported team onboarding.

Lead QA Engineer – Disclosure Scotland (UK) | Aug 2019 – Apr 2020

- Built automation using Java, Cucumber JVM, Cypress and Spring for public-sector systems.
- Delivered JMeter/LoadRunner performance testing and OWASP ZAP security testing; supported AWS infrastructure and cloud testing.

Test Automation Developer – GfK (Germany) | Jul 2018 – Jul 2019

- Built Selenium WebDriver and TestNG automation frameworks; tested APIs and enterprise integrations.
- Implemented Cucumber-JVM BDD tests for JavaScript applications; supported AWS and GCP environments.

Cloud Migration Test Manager – Financial Conduct Authority (UK) | Jan 2018 – May 2018

- Managed end-to-end cloud migration testing, assurance reporting, test governance and senior stakeholder risk communication.
- Delivered web/mobile automation with JavaScript and BrowserStack; supported AWS-based delivery.

Senior QA / Test Automation Consultant – Multiple Clients | 1999 – 2017

Clients included Capital One, HSBC, Home Office, IBM, Nokia, HP, RBS, Vodafone, Deutsche Bank, BP and GSK.

- Delivered test automation, system and integration testing, performance testing, UAT and QA strategy in complex regulated environments.
- Led teams and established source-controlled automation practices, defect management and quality assurance governance.

ADDITIONAL TECHNICAL EXPERIENCE

Algorithmic Trading Developer (part-time), Mar 2020 – Present — Develop, debug and optimise MQL5 automated systems; apply back-testing, quantitative analysis and risk controls.

EDUCATION & CERTIFICATIONS

MSc Information Technology – University of East London | BSc Architecture – University of Jos, Nigeria

Certifications: Project Management Professional (PMP); Google Cloud Associate Engineer; Java Enterprise Developer; Mercury Test Suite Certified Product Specialist.

Ongoing training: AWS Certified Cloud Practitioner, AI Practitioner, Solutions Architect – Associate and Data Engineer – Associate tracks.