

# NGOH RONALDO ACHA

Senior QA Automation Engineer | QAOps Specialist

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[LinkedIn](#) • [Portfolio](#) • [GitHub](#)

## PROFESSIONAL SUMMARY

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Senior Quality Assurance Engineer with 5+ years of experience building scalable, end-to-end test automation and embedding quality into CI/CD pipelines across iGaming, fintech, and SaaS web platforms. Specialized in QAOps practices combining test automation (Playwright, Cypress, TypeScript) with DevOps tooling (Docker, Kubernetes, GitHub Actions, Jenkins, AWS) to deliver continuous, shift-left quality. Designer and developer of production-grade QA tooling, including vPerformance (a deployed web performance testing platform) and UI Design Validator (a Figma-to-implementation visual regression tool). Proven record of reducing regression cycles by up to 40%, achieving near-zero critical production defects, and aligning QA strategy with product, performance, and security goals at scale.

## CORE COMPETENCIES

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**Test Automation:** Playwright, Cypress, Selenium WebDriver, Playwright API, REST Assured, Postman, WebdriverIO

**Languages & Scripting:** TypeScript, JavaScript (ES6+), SQL, Bash, Python (scripting)

**CI/CD & DevOps:** GitHub Actions, Jenkins, GitLab CI, pipeline quality gates, shift-left testing, automated release validation

**Containers & Orchestration:** Docker, Docker Compose, Kubernetes (kubectl, Helm basics), containerized test execution

**Cloud Platforms:** AWS (EC2, S3, IAM, CloudWatch), GCP, Microsoft Azure, Cloudflare; AWS Certified Cloud Practitioner

**Performance & Load Testing:** k6, JMeter, Lighthouse, stress and soak testing, performance budgets

**Security & Compliance:** OWASP Top 10, security testing, accessibility (WCAG 2.1), iGaming compliance

**Observability & Monitoring:** Splunk, Grafana, Prometheus basics, log analysis, anomaly detection, root cause analysis

**Test Management & Tracking:** Jira, Xray, Zephyr, Confluence, TestRail, defect lifecycle management

**Testing Types:** E2E, Regression, API, Integration, Performance, Security, Accessibility, Cross-Browser, Mobile Web, UAT, Exploratory

**Methodologies:** Agile/Scrum, BDD, TDD, Risk-Based Testing, SDLC, STLC, Continuous Testing, QAOps

## PROFESSIONAL EXPERIENCE

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### Senior Quality Assurance Engineer

*Blue Window Ltd — iGaming*

Feb 2023 – Apr 2026

*Douala, Cameroon*

- Architected a Playwright + TypeScript automation framework with the Page Object Model, parallel execution, and Allure reporting, cutting regression cycle time by 40% and enabling daily releases.
- Integrated automated E2E, API, and accessibility suites into GitHub Actions CI/CD pipelines with quality gates that block deployments on critical failures, reducing production hotfixes by ~60%.
- Containerized the entire test suite using Docker and ran parallel browser tests on a self-hosted Kubernetes-based test grid, scaling concurrent execution from 4 to 30+ workers.
- Built proactive monitoring dashboards in Splunk over Cloudflare logs to detect traffic anomalies, bot patterns, and latency regressions before they impacted players.

- Led performance and load testing with k6 and JMeter on high-traffic iGaming flows (login, deposit, gameplay), validating system resilience at 10k+ concurrent users.
- Conducted OWASP-aligned security testing and WCAG 2.1 accessibility audits, ensuring regulatory compliance across multiple jurisdictions.
- Partnered with Engineering, DevOps, and Product to embed shift-left quality practices and Definition of Done criteria, improving defect detection in pre-merge stages.
- Validated UI implementations against Figma designs and ran SEO/UX audits, contributing to measurable improvements in conversion and engagement metrics.

### QA Automation Engineer

May 2019 – Jan 2023

*Pro-Tech Alliance*

*Remote*

- Designed and built a scalable Cypress automation framework from the ground up covering 300+ critical user flows, lifting automated regression coverage from 0% to 85%.
- Set up CI pipelines in Jenkins and GitHub Actions to run automation on every pull request, providing engineers with fast feedback and accelerating release cycles.
- Hardened test reliability by re-architecting locators, implementing custom commands, and introducing retry strategies — reducing flakiness from ~18% to under 3%.
- Translated business requirements into test scenarios, plans, and risk-based test strategies in close collaboration with Product and Engineering stakeholders.
- Actively contributed to Agile ceremonies, championing continuous testing and acting as the quality voice during refinement and sprint planning.

### QA Tester

Nov 2020 – Jul 2021

*Seven Advanced Academy*

*Cameroon*

- Developed a bilingual (English/French) automation framework using Selenium WebDriver and TestNG, reducing manual test cycle time by 30%.
- Expanded overall test coverage by 25% through a hybrid manual + automated approach focused on high-risk regression areas.
- Mentored junior testers on Selenium, TestNG, and automation design patterns, helping the team transition toward automation-first practices.
- Managed the end-to-end defect lifecycle in Jira, achieving a 98% on-time resolution rate across releases.

### Software Test Analyst

Sep 2018 – Jan 2020

*IWOMI Technologies Ltd*

*Douala, Cameroon*

- Defined and executed test strategies across 10+ enterprise web applications, preventing critical production incidents through structured risk analysis.
- Introduced Cypress as the team's first JavaScript automation tool, reducing regression time by 40% and unlocking faster delivery cadence.
- Led UAT cycles with business stakeholders, delivering on-time releases with zero critical defects.
- Trained QA team members on automation tools, scripting fundamentals, and best practices building lasting in-house automation capability.

## SELECTED PROJECTS

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### vPerformance — Enterprise Web Performance Testing & Monitoring Platform [Live](#) | [GitHub](#)

- Designed, built, and deployed a full-stack platform that runs batched performance tests against any URL and surfaces Core Web Vitals (LCP, CLS, INP, TTFB, Speed Index) plus performance scores for desktop and mobile in a unified dashboard.
- Engineered side-by-side multi-site comparisons, device-specific result breakdowns, and prioritized optimization suggestions, turning raw Lighthouse output into actionable QA insights.

- Shipped to production on Render with CI/CD from GitHub, demonstrating end-to-end ownership from architecture and code to deployment, observability, and user-facing UX.

#### UI Design Validator — Figma-to-Implementation Visual Regression Tool [GitHub](#)

- Built an enterprise-grade visual regression testing platform that compares Figma design specs against live web implementations and flags pixel-level deviations, tackling one of the most common and expensive QA gaps in modern product teams.
- Implemented configurable tolerance thresholds for spacing, color, typography, and pixel diff, plus responsive (mobile/tablet) and container-level query types, giving QA and design teams precise control over what counts as a regression.
- Integrated the Figma API for design token extraction and headless browser rendering for implementation capture, automating a workflow that traditionally requires hours of manual designer–developer review.

#### QA Portfolio Site [Live](#)

- ronaldo-acha-qa.com is another case study, automation sample, and QA writing, showcasing real engagements and engineering approach.

### KEY ACHIEVEMENTS

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- Reduced regression cycle time by up to 40% through Playwright/Cypress framework design and parallelized CI execution.
- Achieved near-zero critical production defects across multiple high-traffic iGaming releases.
- Cut test flakiness from ~18% to under 3% through locator strategy, retry logic, and framework architecture improvements.
- Scaled automated test execution from 4 to 30+ parallel workers using Docker and Kubernetes-based test grids.
- Mentored and upskilled 8+ junior QA engineers across multiple companies, embedding automation-first thinking.

### CERTIFICATIONS

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- ISTQB Certified Tester — Foundation Level (CTFL)
- Certified Software Quality Engineer (CSQE)
- AWS Certified Cloud Practitioner
- Automated Software Testing with Playwright
- Docker Mastery & Kubernetes for Beginners (KodeKloud)
- Splunk Enterprise Certified Admin
- MCP Servers and Automation for Testers
- SQL for Testers • Git Workflows • Jira Basic Administration • Data Engineering Foundations

### EDUCATION

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**Computer Science & Full Stack Web Development**

2015 – 2018

*Seven Advanced Academy & University of Bamenda*

### LANGUAGES

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**English** — Advanced (Professional Working Proficiency)    **French** — Beginner