

NGOH RONALDO ACHA

Senior QA Automation Engineer | QAOps Specialist | Security and Performance Testing

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PROFESSIONAL SUMMARY

I have spent the last five years building quality into the fabric of software teams rather than bolting it on at the end. My background covers test automation, CI/CD integration, performance testing, and security auditing across iGaming, fintech, and SaaS platforms. My primary tools are Playwright and Cypress with TypeScript, backed by Docker and Kubernetes for scalable execution, GitHub Actions for pipeline integration, and Splunk for observability. I am comfortable owning the full quality stack, from writing the first test to shipping the monitoring dashboard that watches production.

Outside of client work, I build and ship QA tooling independently. SiteShield is a self-service security auditing platform I designed, built, and deployed in production. It scores websites across 11 OWASP categories, provides fix-ready remediation guidance, and supports scheduled re-scans with regression alerts. vPerformance is a companion platform for Core Web Vitals testing at scale. Both tools are live and publicly accessible.

I am most effective in teams that treat quality as a shared responsibility. I like working with engineers who want real automation, not just test coverage numbers on a report.

CORE COMPETENCIES

Test Automation	Playwright, Cypress, Selenium WebDriver, WebdriverIO, REST Assured, Postman
Languages	TypeScript, JavaScript (ES6+), SQL, Bash
CI/CD and DevOps	GitHub Actions, Jenkins, GitLab CI, quality gates, shift-left testing, release validation
Containers and Cloud	Docker, Docker Compose, Kubernetes (kubectl, Helm), AWS (EC2, S3, IAM, CloudWatch), GCP, Azure
Performance Testing	k6, JMeter, Lighthouse, stress and soak testing, Core Web Vitals, performance budgets
Security and Compliance	OWASP Top 10, security testing, WCAG 2.1 accessibility, iGaming regulatory compliance
Observability	Splunk, Grafana, Prometheus, log analysis, anomaly detection, root cause analysis
Test Management	Jira, Xray, Zephyr, Confluence, TestRail, defect lifecycle management
Testing Types	E2E, Regression, API, Integration, Performance, Security, Accessibility, UAT, Exploratory
Methodologies	Agile/Scrum, BDD, TDD, Risk-Based Testing, SDLC/STLC, QAOps, Continuous Testing

PROFESSIONAL EXPERIENCE

Senior QA Automation Engineer | Feb 2023 – Jul 2026 **Blue**

Window Ltd — iGaming | Douala, Cameroon

- Built a Playwright and TypeScript automation framework using the Page Object Model with parallel execution and Allure reporting. Regression cycle time dropped 40% and the team moved to daily releases as a result.
- Integrated E2E, API, and accessibility test suites into GitHub Actions pipelines with quality gates that block deployments on critical failures. Production hotfixes reduced by roughly 60% over two quarters.
- Containerized the full test suite with Docker and ran parallel browser tests on a self-hosted Kubernetes grid. Concurrent workers scaled from 4 to over 30, cutting multi-hour runs down to minutes.
- Set up Splunk dashboards over Cloudflare logs to watch for traffic anomalies, bot patterns, and latency spikes before they reached players. Caught issues that synthetic monitoring alone would have missed.

- Owned load testing with k6 and JMeter across core iGaming flows including login, deposit, and live gameplay. Validated system stability at over 10,000 concurrent users.
- Ran OWASP-aligned security tests and WCAG 2.1 accessibility audits supporting regulatory compliance across multiple jurisdictions.
- Worked with Engineering, DevOps, and Product to push quality checks earlier into the sprint cycle and establish clear Definition of Done criteria. Reduced expensive late-stage rework noticeably.
- Reviewed UI builds against Figma designs and ran SEO and UX audits that fed directly into measurable improvements in conversion and engagement.

QA Automation Engineer | *May 2019 – Jan 2023*

Pro-Tech Alliance | Remote

- Built a Cypress automation framework from scratch covering over 300 critical user flows. Automated regression coverage went from zero to 85% in a single engagement.
- Configured CI pipelines in Jenkins and GitHub Actions to trigger the full suite on every pull request, giving engineers fast feedback before merging.
- Brought test flakiness down from roughly 18% to under 3% by rethinking locator strategies, writing custom commands, and adding smarter retry logic. Team confidence in the suite came back quickly after that.
- Worked closely with Product and Engineering to turn business requirements into structured test plans and risk-based strategies.
- Participated in Agile ceremonies and advocated for continuous testing practices during sprint planning and refinement.

QA Tester | *Nov 2020 – Jul 2021*

Seven Advanced Academy | Cameroon

- Created a bilingual English and French automation framework using Selenium WebDriver and TestNG. Manual test cycle time reduced by 30% and test coverage expanded to previously untested language paths.
- Grew overall test coverage by 25% through a hybrid approach that combined manual testing with targeted automation on the highest-risk regression areas.
- Mentored junior testers on Selenium, TestNG, and automation patterns. The goal was to get the team comfortable owning automation themselves, not just running scripts someone else wrote.
- Managed defect tracking in Jira and maintained a 98% on-time resolution rate across releases.

Software Test Analyst | *Sep 2018 – Jan 2020*

IWOMI Technologies Ltd | Douala, Cameroon

- Defined and ran test strategies across more than ten enterprise web applications. Structured risk analysis and thorough pre-release testing kept critical production incidents off the board.
- Introduced Cypress as the team's first JavaScript automation tool. Regression time dropped 40% and the team started shipping faster.
- Led UAT sessions with business stakeholders and delivered on-time releases with zero critical defects throughout the engagement.
- Trained QA team members on automation fundamentals and scripting. Built in-house capability that lasted well beyond the project.

SELECTED PROJECTS

SiteShield *Self-Service OWASP Security Auditing Platform* | [Live: siteshield-0u7x.onrender.com](https://live:siteshield-0u7x.onrender.com) | [GitHub: github.com/Ronaldocha/SiteShield](https://github.com/Ronaldocha/SiteShield)

Most teams do security testing by booking a consultant, waiting weeks, and getting a report that is already out of date before anyone reads it. I built SiteShield to fix that. It is a self-service platform that lets any QA engineer or developer run a full OWASP-aligned security audit on any website in minutes, without specialist knowledge.

- Scores websites 0 to 100 across 11 OWASP-aligned categories including HTTP headers, TLS configuration, DNS and email security, CORS policies, cookie settings, and exposed files. Every scan returns a letter grade and a clear PASS, REVIEW, or FAIL verdict.

- Every finding comes with copy-ready remediation: actual header values, DNS record syntax, and configuration snippets. Engineers can fix the issue without having to research it separately.
- Supports scheduled re-scans on hourly, daily, or weekly cycles with regression detection that sends alerts in-app, by webhook, and by email. This makes it useful as ongoing monitoring, not just a one-time audit.
- Fleet Overview dashboard shows all registered sites ranked and averaged with category breakdowns and score trends over time. Useful for QA leads managing security posture across multiple domains.
- Bulk CSV upload supports up to 100 sites at once. Reports export as print-ready PDFs with remediation included, or as raw JSON for integration into other tooling.
- Deployed on Render with CI/CD from GitHub. I handled everything from architecture and backend to frontend UX and production deployment.

vPerformance *Enterprise Web Performance Testing and Monitoring Platform* | [Live: vperformance.onrender.com](https://vperformance.onrender.com) | [GitHub: github.com/Ronaldoacha/vperformance](https://github.com/Ronaldoacha/vperformance)

- A full-stack platform for running batched Lighthouse performance tests against any URL and surfacing Core Web Vitals including LCP, CLS, INP, TTFB, and Speed Index across desktop and mobile in one place.
- Supports side-by-side comparisons across multiple sites with device-specific breakdowns and prioritized optimization suggestions. Turns Lighthouse numbers into something a team can actually act on.
- Deployed on Render with CI/CD from GitHub. Full ownership from initial architecture through to production and observability.

UI Design Validator *Figma-to-Implementation Visual Regression Tool* | [GitHub: github.com/Ronaldoacha/UI-Design-Validator](https://github.com/Ronaldoacha/UI-Design-Validator)

- Compares Figma design specs against live web implementations and flags pixel-level deviations. Directly addresses one of the most common and expensive gaps in modern product QA.
- Configurable tolerance thresholds for spacing, color, typography, and pixel diff. Supports responsive breakpoints and container-level queries so teams decide what counts as a real regression.
- Integrates with the Figma API for design token extraction and uses headless browser rendering for implementation capture. Automates a workflow that typically takes hours of manual designer and developer review per release cycle.

QA Portfolio Site | [Live: ronaldo-acha-qa.com](https://ronaldo-acha-qa.com)

- A collection of real engagement case studies, automation code samples, and QA writing. Shows how I think and communicate about quality, not just what tools I use.

KEY ACHIEVEMENTS

- Reduced regression cycle time by up to 40% through Playwright and Cypress framework design combined with parallelized CI execution. Sustained over multiple release cycles.
- Maintained near-zero critical production defects across several high-traffic iGaming releases through shift-left practices and automated quality gates in CI.
- Cut test suite flakiness from roughly 18% to under 3% through locator strategy improvements, retry logic, and framework restructuring.
- Scaled automated test execution from 4 to over 30 parallel workers using Docker and a Kubernetes-based test grid.
- Shipped two independent production tools: SiteShield for OWASP security auditing and vPerformance for Core Web Vitals monitoring. Both are live and publicly accessible.
- Mentored more than eight junior QA engineers across multiple companies, helping each team build lasting automation capability.

CERTIFICATIONS

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

EDUCATION

Computer Science and Full Stack Web Development | 2015 – 2018
Seven Advanced Academy and University of Bamenda | Cameroon

LANGUAGES

English: Advanced, Professional Working Proficiency	French: Beginner
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