M H Y L I J A D E C . B I Z A R E S

AI Augmented QA Engineer | Test Automation Engineer | Software Development Engineer in Test (SDET)

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Full open work rights in New Zealand - no sponsorship, job check or accreditation required

PROFESSIONAL SUMMARY

QA Engineer and SDET with five years across manual and automated software testing, currently building quality infrastructure for an Auckland AI translation and verification platform. Works in Playwright with TypeScript and in Python alongside AI-orchestrated test tooling, and reviews AI-generated code for the failures it characteristically introduces. Previously a core contributor to a production Cypress suite of 290+ E2E specifications spanning B2C and B2B product areas, running in a Dockerised GitLab CI/CD pipeline across four environments. Combines risk-based test design with the engineering skill to automated it. Auckland based with full New Zealand work rights.

CORE SKILLS

Test Automation: Playwright, Cypress, Selenium WebDriver, Katalon Studio, TypeScript, JavaScript, Python, Page Object Model, custom command and helper layers, cross-browser testing

AI-Assisted Testing: AI-orchestrated test plan generation, review of AI-generated code, testing non-deterministic output, Claude Code, Cypress AI

Languages and Scripting: TypeScript, JavaScript, Python, Java, Groovy, C, SQL

CI/CD and DevOps: GitLab CI/CD, GitHub Actions, Docker, parallel test execution, Git, SonarQube

API, Messaging and Database Testing: Postman, REST API validation, XML and JSON payload validation, Kafka (AWS MSK), MySQL, Sequel Ace, Django ORM, test-data seeding

Performance Testing: k6, load testing, high-throughput scenario design

Manual and Functional Testing: Regression, smoke, functional, User Acceptance Testing (UAT), exploratory, boundary-value analysis, mobile UI testing

Test Management: Test planning, risk-based coverage, test case design, defect triage and reporting, requirements traceability matrices, QA documentation

Reporting and Tooling: Mochawesome, Mailosaur, Faker, JIRA, Confluence, Click-up

Methodologies: Agile, Scrum, sprint ceremonies, shift-left testing, peer code review, distributed team collaboration

PROFESSIONAL EXPERIENCE

AI Augmented QA Engineer

Arbitr Limited (formerly Straker), AI translation and verification technology - Auckland, New Zealand

September 2026 - February 2027 (fixed term; role ends with company restructure)

- Test new features, platform projects and resolved defects manually across Arbitr products, then convert the verified cases into automated coverage so each release builds on repeatable regression rather than repeated manual effort.
- Build and extend automated test frameworks in Playwright with TypeScript, and in Python, structured as modular, reusable components shared across engineering pods.
- Apply AI tooling to turn feature specifications into test plans targeting edge cases and failure modes rather than happy paths.
- Review AI-generated code for its characteristic failures - hallucinated logic, shallow error handling and gaps against stated requirements - on a platform where AI output quality is the product.
- Build load-testing coverage for high-throughput scenarios across APIs and verification pipelines.
- Carry out exploratory and manual testing in areas where automated coverage does not yet exist.

Software Development Engineer in Test (SDET), Test Automation

Offensive Security (OffSec), cybersecurity training and certification provider - Remote

November 2022 - September 2026

- Core contributor to the production Cypress suite, contributing 245 reviewed merge requests to a shared framework of 380+ modules and 99 Page Objects maintained by a distributed team across four time zones.

- Authored 290+ end-to-end specifications across nine product areas: exam scheduling, MITRE ATT&CK Enterprise, lab access and machine lifecycle, B2C and B2B checkout, notifications, user-generated content, sanctions-screening compliance, reporting and registration.
- Automated the full exam-scheduling lifecycle including access control, rescheduling limits, no-show enforcement, score-threshold validation and submission deadlines, using direct MySQL seeding to construct states the API could not reach.
- Executed suites across four environments via a Docker-based GitLab CI/CD pipeline with parallel execution, Mochawesome reporting, Mailosaur email verification and Faker-generated test data.
- Ran k6 load testing against provisioning under concurrent use, and tested event-driven flows by producing events to Kafka topics via AWS MSK to construct time-dependent scenarios.
- Kept the suite trusted as a release gate by diagnosing and resolving flaky tests, async stale-element crashes, race conditions and breakages from third-party service changes.
- Led manual QA for a major product launch, identifying six release blockers pre-launch - missing dropdown products, incorrect lab-day counts, B2B invite failures and cart provisioning errors - all resolved before go-live.
- Raised 173+ documented defects with reproduction steps, environment detail and video evidence, cutting developer clarification cycles, and mentored junior QA members on framework architecture and Cypress practice.

Software Test Engineer
Accenture, Inc. - Cebu, Philippines
June 2021 - September 2022

- Built a Katalon Studio and Selenium WebDriver compliance-checking framework that navigated a telecommunications client SharePoint portal, retrieved QA deliverables and validated their completion status without manual review.
- Automated verification of 18+ deliverable types per release cycle, including test estimates, smoke tests, requirements traceability matrices, closure memos, TCoE metrics, pre-execution approvals, regression suites, variance reports and root cause analyses, writing results to a structured Excel report.
- Implemented dynamic XPath generation and runtime object-property modification so one script set adapted to every release cycle without code changes.
- Authored functional and non-functional test scenarios and client-ready test documentation for business stakeholders.

Remote Desktop Support Specialist, Team Lead
People Plus Tech, Inc. - Cebu, Philippines
December 2015 - October 2018

- Led a remote support team resolving technical issues for 200+ users weekly.
- Raised first-time resolution rates by 20% through structured process documentation and a shared knowledge base.

TECHNICAL PROJECTS

Open-Source Cypress Test Framework
github.com/mhybiz278/cypress-toolshop-e2e

- Public demonstration of the same architecture used in production: 25 specification files and 99 tests, Page Object Model, service layer, API seeding and parallel CI on GitHub Actions and GitLab.

EDUCATION

Master of Engineering Education, major in Computer Engineering
Cebu Institute of Technology University, Philippines | 2019 - 2021

Bachelor of Science in Computer Engineering
University of Cebu, Main Campus, Philippines | 2010 - 2015
Top Student 2013-2015; 3rd Place, CPE Technological Exhibit 2015

PROFESSIONAL DEVELOPMENT

- Cypress AI + Studio, Automated Testing

REFEREES

Available on request.