


Shaheen Toefy

AI QA Engineer | AI-Powered QA & Automation | Fintech, SaaS & Startups

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Professional Summary

AI QA Engineer with 10+ years of experience designing manual and AI-driven test automation frameworks and integrating machine learning models into QA processes to reduce defect rates and accelerate release cycles. Skilled at leveraging Playwright, Selenium, Cypress, Appium, and LLM-powered tools to enhance test coverage, improve software quality by up to 80%, and optimise QA workflows. Proven ability to mentor teams and implement CI/CD pipelines for rapid, high-quality deployments.

Core Skills

- AI & Intelligent Testing: LLM-driven test generation, predictive defect modeling, self-healing automation, AI visual testing (Applitools, Percy)
- Automation & QA Tools: Playwright, Selenium, Cypress, Appium, JMeter, k6, OWASP ZAP
- Programming & Scripting: TypeScript, JavaScript, Python, Java, SQL
- CI/CD & DevOps: GitHub Actions, GitLab CI/CD, Jenkins, Docker
- QA Practices: Manual, Regression, Smoke, Sanity, Risk-Based Testing
- Collaboration & Methodologies: Agile/Scrum, STLC, SDLC, TDD, BDD; JIRA, TestRail, Confluence

Professional Experience

EntrprnrriX AI – AI Test Automation Engineer | Remote | Mar 2022 – Present

- Developed AI-driven automation frameworks using Playwright + TypeScript and LLM-powered test case generation.
- Reduced flaky UI tests by 40% with self-healing locators and increased regression reliability.
- Applied AI visual testing to detect subtle UI/UX regressions, improving defect detection accuracy.
- Integrated predictive defect models and AI-based analytics into CI/CD pipelines, optimizing high-risk module testing.
- Automated Cucumber BDD scenario generation from user stories, cutting manual test design effort by 60%.
- Mentored QA teams in AI-first testing strategies and automation frameworks.

TechNation Africa – Chief Business Officer / Senior Digital Designer | Cape Town | Oct 2022 – Jun 2023

- Directed software delivery and QA alignment across design, development, and testing teams.
- Implemented AI-informed QA workflows to accelerate release cycles and enhance software quality.

MiX Telematics – Software Test Analyst | Stellenbosch | Aug 2018 – Jan 2023

- Designed and executed manual & automated test suites for SaaS fleet management software serving 700,000+ users.
- Identified and resolved critical defects pre-launch using data-driven testing analytics.
- Collaborated with cross-functional teams to implement continuous integration testing pipelines, improving deployment frequency by 35%.
- Conducted regression, integration, and mobile testing (iOS/Android).

React Technology – QA Analyst / Manager | Cape Town | Jan 2017 – Apr 2018

- Oversaw QA for web & mobile applications; implemented automated testing frameworks and tracked defect trends.

Additional Roles:

- Head of Digital Creative Design – City of Cape Town (2023–2024)
- Head of Business Development – Social Star ZA (2018–Present)
- Co-Founder & Business Development Manager – Blacklotus Creative (2015–2016)

Key Achievements

- Improved software quality by up to 80% through AI-powered test automation.
- Reduced regression cycles by 60–70% with intelligent frameworks and AI-assisted workflows.
- Maintained zero critical defects across consecutive releases via CI/CD-integrated QA pipelines.
- Mentored teams in AI-driven testing strategies, self-healing automation, and risk-based coverage.
- Delivered high-quality fintech & SaaS products with measurable improvements in test coverage and release speed.

Education & Certifications

- ISTQB (CTFL) – Certified Tester Foundation Level
- Cape Peninsula University of Technology – Business Administration & Management
- Red & Yellow Creative School of Business – Art Direction & Graphic Design
- Microsoft Certified Systems Engineer (MCSE)
- Blockchain Academy – Blockchain Technology

Skills	Category	Software Tools
AI-Driven Testing	Intelligent QA	LLM-powered test generation, self-healing automation, predictive defect modeling, AI visual testing (Applitools, Percy)
ITest Automation	Frameworks & QA	
Programming	Languages & Scripting	PlaywrightSeleniumCypressCucumber (BDD)Postman
CI/CD & DevOps	Automation & Delivery	TypescriptJavascriptPythonJavaSQL
Frontend Development	UI/UX Engineering	GitHub ActionsGitLab CI/CDJenkinsDockerGitSourcetree
Backend Development	APIs & Data	ReactNext.JsTailwind CSSMaterial UIChakra UIFramer Motion
Collaboration	Test Management	ExpressNode.jsMongoDBSQL
Design & Prototyping	Creative Tools	JIRAConfluence
IDEs	Development Environments	FigmaInkscapePhotoshop
		VS CodeSublime Text