

Tarek Elmougy

Senior QA Automation Engineer / SDET

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Open to Remote / Global Roles

Summary:

Senior QA Automation Engineer / SDET with 8+ years of experience specializing in Fintech, SaaS, and Web3 platforms. Expert in architecting scalable automation frameworks from scratch and ensuring release-quality for high-risk financial systems. Proven track record in leading QA initiatives, stabilizing complex CI/CD pipelines, and mentoring engineering teams to ship reliable, production-grade products.

Technical Skills:

- **Core Automation:** Playwright, Cypress, Selenium, REST Assured, Appium, Cucumber.
- **Languages:** TypeScript, JavaScript, Java, Python, C#, SQL.
- **CI/CD & DevOps:** GitHub Actions, Jenkins, Maven, Git, Docker, Allure Reporting.
- **Testing & QA Management:** TestRail, Testmo, Jira, MS TFS.
- **Performance & Specialized Tools:** JMeter, Charles Proxy, SQLite, Ledger, MetaMask.
- **AI-Assisted Development:** Claude Code, Windsurf, ChatGPT.

Key Achievements:

- Built scalable QA automation frameworks from scratch across API, UI, and end-to-end testing.
- Led QA strategy, automation coverage, regression control, and release readiness for high-impact products.
- Automated 1000+ test scenarios across API, UI, integration, regression, and end-to-end flows.
- Created and maintained 5000+ manual and automated test cases across multiple platforms and domains.
- Improved test reliability by reducing flaky tests, refactoring unstable suites, and strengthening CI/CD quality gates.
- Mentored QA engineers and helped establish testing standards, ownership, and quality culture.

Professional Experience:

[P2P.org](#) - Senior SDET (Software Development Engineer in Test)

(Jul 2025 - Present)

- Led QA for Web3 and blockchain staking systems, ensuring reliability across high-value financial workflows.
- Built a Playwright-based dApp automation framework from scratch, covering wallet connections and transaction signing flows, and integrated it into CI/CD pipelines.
- Tested wallet integrations across MetaMask, Rabby, Safe Wallet, OKX Wallet, and Ledger devices.
- Refactored and stabilized 200+ API automation tests, reducing flakiness and improving reliability.

Lynk.sa - Senior QA Automation Engineer / QA Consultant (Jan 2025 - May 2026)

- Owned the QA function as the sole QA engineer, defining test strategy, test coverage, and release validation workflows.
- Built a backend API automation framework using REST Assured, TestNG, and Java.
- Authored 3000+ manual and automated test cases covering trading, onboarding, admin operations, and financial workflows.
- Automated 300+ API scenarios validating business rules, edge cases, and error handling.
- Collaborated with product, backend, frontend, and DevOps teams to improve quality visibility and release confidence.

Tradeling.com - Senior QA Automation Engineer (Jul 2023 - Dec 2024)

- Executed comprehensive testing for both web and mobile applications.
- Migrated part of the web automation coverage from Cypress to Playwright to improve test stability, maintainability, and execution reliability.
- Developed 300+ Cypress automation scenarios for web regression coverage.
- Improved regression coverage and supported stable releases across multi-platform products.

Luciq.ai (Instabug formerly) - Senior QA Automation Engineer (Feb 2022 - Jul 2023)

- Acted as QA Tech Lead, mentoring and supporting 3 junior QA engineers.
- Planned testing activities, task breakdowns, and estimations across 15+ sprints.
- Developed 400+ automated scenarios using Cypress and REST Assured.
- Performed 3000+ manual tests across iOS, Android, Flutter, Unity, and Cordova SDK integrations.

Valeo - Senior Validation Engineer (Jan 2019 - Feb 2022)

- Scripted 6,000+ automated test scenarios using Java and CASTLE.
- Standardized validation activities to increase maintainability across 5 concurrent projects.
- Developed a custom desktop application (C# FE / Python BE) to help management track engineering efforts.

BI-Technologies - Quality Control Engineer (Jul 2017 - Dec 2018)

- Established the company's first automation framework for web and mobile using Selenium and Appium.
- Logged 150+ bugs and tracked them through the full lifecycle to closure.

Education & Certifications:

- **Blockchain Basics - Cyfrin updraft | Credential ID: BBCC-6EWR5PC3TCLGP (Jan 2026)**
- **ISTQB® Foundation Level Certification | License: 180308038 (Mar 2018)**
- **ISTQB® Technical Test Analyst Course (Jul 2020)**
- **Bachelor's degree in Computer and Information Science, Ain Shams University. (May 2016)**

Languages:

- **Arabic:** Native language.
- **English:** Excellent.