

MEJBAUR BAHAR

Senior SDET | QA Automation Engineer | AI & Security Testing Specialist

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Professional summary

Senior SDET / QA Automation Engineer with 6+ years architecting test automation frameworks for web, mobile, API, and AI/ML products. Expert in Playwright, Selenium, Cypress, Appium, and Python; shipped CI/CD-integrated test suites cutting regression time by 35% and defect leakage by 20%. Led 8-member QA teams, defined quality KPIs, and built production-grade test infrastructure at scale. Experienced in LLM, NLP, and TTS model validation, OWASP Top 10 security testing, and AI-assisted test generation. Certified Ethical Hacker (CEH) and Certified AppSec Practitioner (CAP).

Work history

09/2026

Jeddah, Saudi Arabia

Senior SQA Engineer

Sofof Tech

- Mentor SQA engineers and foster a culture of continuous improvement and accountability.
- Design and implement comprehensive test strategies covering functional, regression, performance, security, and usability testing.
- Establish risk-based testing approaches to prioritize critical features and ensure product reliability.
- Architect and maintain scalable automation frameworks for web, mobile, and API testing.
- Ensure automation scripts are reusable, maintainable, and optimized for performance.
- Implement AI-driven test automation tools for intelligent test case generation, self-healing scripts, and predictive defect analysis.
- Deliver clear, actionable test reports to stakeholders with insights on quality trends.
- Led functional and performance testing of LLM and TTS models, evaluating output accuracy, latency, and reliability across diverse test scenarios.
- Assigned as Product Manager for the LLM/TTS project, overseeing product roadmap, cross-functional coordination, and delivery milestones.

10/2025 – 08/2026

Dhaka, Bangladesh

Senior Software Engineer QA

Markopolo.ai

- Led QA for AI-driven TTS and NLP models; built 200+ automated evaluation tests covering model accuracy, prosody, and prompt injection resistance.
- Architected Playwright + Python test framework integrated with GitHub Actions CI/CD; reduced regression cycle from 4 hours to 45 minutes (81% faster).
- Managed 8-engineer QA team; defined OKRs, test coverage targets, and quality gates achieving 20% reduction in production defect leakage.
- Designed AI/ML testing protocols covering model output validation, bias detection, adversarial input testing, and LLM security evaluation.

08/2023 – 10/2025

Rajshahi, Bangladesh

Software Engineer in Test

Developer experience Hub

- Built automated test suites covering functional, API, performance, and security testing across 3 microservices using Playwright and Python.

- Integrated OWASP ZAP and Burp Suite into CI/CD pipeline; identified 15+ critical vulnerabilities before production release.
- Grew automated test coverage from 60% to 85%, eliminating 40% of manual regression effort per sprint.
- Validated AI-driven features through model accuracy testing, bias analysis, and adversarial input evaluation.

08/2022 – 08/2023
Rajshahi, Bangladesh

Jr Software QA Engineer

Developer experience Hub

- Developed and maintained 300+ test cases covering functional, regression, integration, and cross-browser testing scenarios.
- Reduced bug escape rate by 15% by introducing exploratory testing sessions and structured defect triage processes.
- Collaborated with dev team to deliver zero critical defects across 3 consecutive sprint releases.

03/2022 – 07/2022
Rajshahi, Bangladesh

Software QA Engineer (Internship)

Developer experience Hub

- Executed smoke, regression, and functional test suites; logged and tracked 80+ defects with detailed reproduction steps in Jira.
- Collaborated with 5-person dev team in Agile/Scrum environment, contributing QA sign-off for 3 successful sprint releases.

12/2021 – 02/2022
NY, USA

Software Testing

GAOTek Inc.

- Executed structured test plans for IoT hardware control software; managed 50+ defect lifecycle entries across Jira.
- Collaborated with globally distributed dev team to improve software reliability and achieve consistent release quality.

05/2021 – 07/2021
Dhaka, Bangladesh

Software Testing (Mobile Apps and Payment Gateway systems)

Orion Informatics Ltd

- Tested Android and iOS payment gateway flows including authentication, transaction processing, refund, and error-handling scenarios.
- Validated security of mobile payment flows covering encryption checks, session management, and PCI DSS-relevant test scenarios.

Education

09/2017 – 08/2021
Bangladesh

BSc: CSE, Computer Programming

Bangladesh University

CGPA: 3.74 on a scale of 4.00

Skills

Testing & QA

Manual Testing, Regression, Smoke, Sanity, E2E Testing, Cross-Browser Testing, Mobile & Responsive Testing, Database Testing (MySQL), Requirement Analysis, UAT Testing, Accessibility Testing (WCAG), Visual Regression Testing, Localization (i18n) Testing, RTL Testing

Performance

JMeter, k6, Locust, Load & Stress Testing, API Performance Monitoring, Lighthouse Auditing, Performance Benchmarking

Programming

Python, JavaScript, TypeScript, Bash, YAML

DevOps & Tools

Git, GitHub, Jira, Docker, CI/CD (GitHub Actions, Jenkins), Log Analysis, Test Reporting, Allure Reports, GitHub Pages, Android Studio

Methodologies

Agile, Scrum, BDD, TDD, Test Case Design, Risk-Based Testing, Spec-Driven Testing, Shift-Left Testing

Automation

Playwright, Selenium, Cypress, Appium, Maestro, PyTest, TestNG, JUnit, JavaScript/TypeScript Automation, Mobile Test Automation, API Automation, Visual Testing

Security

OWASP Top 10, Burp Suite, OWASP ZAP, Vulnerability Assessment, XSS Testing, SQL Injection Testing, Authentication Testing, Security Headers Validation

API Testing

Postman, Swagger/OpenAPI, REST API Validation, Auth Testing, Schema Validation, API Automation, Contract Testing

AI & Data-Driven Testing

AI Feature Validation, Recommendation System Testing, Data Accuracy Testing, Model Output Validation, Prompt Testing, LLM Security Basics, Prompt Injection Testing, AI-Assisted Test Generation, Autonomous Testing Systems

Awards, Accomplishments, and Honours

01/01/2018	1st Runner-up Programming Contest at CSE Family Fest 2018. Bangladesh University 📄
07/2025	Top 1000 Rank on Try Hack Me: #770 Worldwide! #12 in Bangladesh Try Hack Me 📄
05/03/2026	2nd Place – SQA Hackathon 2026 📄 <i>Tech X.</i> Recognized among the Top 10 participants for outstanding performance in software testing, bug analysis, and QA methodology.

Bug Bounty Achievements

- **Improper Handling of X-Forwarded-Host Header** – NASA
- **Sensitive Internal Data Publicly Accessible via NASA Website** – NASA
- **Business Logic Vulnerability: Message Limit Bypass** – ChatGPT
- **403 Bypass via Different Request Method** – nsw.gov.au [📄](#)

Client & Freelance QA Automation Projects

Mehad Automation Platform [📄](#)

Built a spec-driven AI-powered QA platform

- Built a spec-driven AI-powered QA platform generating 2,000+ automated tests across 69+ pages.
- Developed Playwright, Python, and CI/CD automation covering functional, security, performance, accessibility, and E2E testing.
- Automated OTP authentication, booking, tutor onboarding, and payment workflows.

MyCoiffeur [↗](#)

Mobile Automation framework for Android and iOS

- Developed a mobile automation framework for Android and iOS using Maestro, Appium, and Python.
- Created 50 E2E mobile flows and 191 automated tests covering booking, payments, subscriptions, wallet, and profile management.
- Integrated automated execution and reporting through GitHub Actions.

Qatarat Automation Framework With AI [↗](#)

QA Automation Engineer (Client Project)

- Built an end-to-end mobile testing solution with 241 automated checks across Android and iOS platforms.
- Automated donation, wallet, gift card, payment, authentication, and localization workflows.
- Implemented CI/CD pipelines and automated reporting dashboards.

Qatarat Website Testing [↗](#)

QA Automation Engineer (Client Project)

- Developed Playwright-based E2E automation for WhatsApp OTP authentication and MyFatoorah payment flows.
- Automated checkout, payment processing, 3DS verification, and order confirmation scenarios.

Personal Projects

08/2025 – Present	Fagun Playwright Test Automation Framework ↗ <i>Test automation framework built with Playwright and TypeScript, following ISTQB standards.</i>
01/2024 – 08/2025	Bugs Matrix SQA Testing Tools Hub ↗ All-in-one browser extension designed to streamline software testing workflows.
04/2025 – 12/2025	Fagun XSS Recon FagunXssRecon is a guided recon and filtering toolkit that prepares high-signal URL targets for XSS testing.

Certifications

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|--|---|
| • Advanced Appium | • LambdaTest Test Automation Professional Certificate |
| • Automated Visual Testing with Appium | • Codeless Test Automation with Selenium IDE |
| • Certified Ethical Hacker (CEH) | • Certified AppSec Practitioner (CAP) |

Volunteer

01/2022 – 02/2024	Team Matrix - Elite Hacker <i>Campus Ambassador</i> • Empowered students by providing free educational resources • Promoted collaboration and addressing specific academic needs
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Leadership Skills

- Team lead for a 8-member SQA team, improving test coverage and reducing defect leakage by 20% through efficient test planning and execution.
- Team lead for an Automation Testing Team, driving framework development and CI/CD integration that reduced regression testing time by 35%.