

Muhammad Usama

Senior QA Automation Engineer | FinTech & SaaS Platforms

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PROFESSIONAL PROFILE

Senior QA Automation Engineer with 5+ years of experience building scalable automation frameworks across web, mobile, API, and performance-critical platforms. Specialises in FinTech, SaaS, AI/ML, and enterprise systems, driving high release confidence through automation-first quality engineering. Proficient in Cypress, Playwright, Selenium, REST API automation, and CI/CD pipeline integration. Holds a Master's in Artificial Intelligence with hands-on expertise in AI/ML system validation and data-driven quality strategies.

QUALITY ENGINEERING & AUTOMATION EXPERTISE

- ▶ Architected end-to-end automation strategies delivering scalable regression, API, and performance test coverage across web and back-end systems.
- ▶ Designed CI/CD pipelines in Jenkins with automated quality gates and Allure reporting, accelerating developer feedback loops.
- ▶ Integrated LambdaTest and BrowserStack for cross-browser and cross-platform validation at scale.
- ▶ Cut test execution time by ~20% through parallel execution, optimised orchestration, and headless pipeline configuration.
- ▶ Enhanced requirements-to-test traceability by mapping 100% of manual test cases to automated suites.
- ▶ Stress-tested system reliability under production-level load via API automation and JMeter/k6 performance testing.

PROFESSIONAL EXPERIENCE

Software Quality Assurance Engineer – GripOnTrip 2025 – Present | Remote (Ireland)

- Developed an end-to-end automation strategy encompassing 100% of business-critical user flows (search, booking, payments, order management), eliminating manual regression effort across core platform workflows.
- Engineered 200+ automated test cases for front-end/back-end integration validation, delivering 98% test-pass consistency across all release cycles.
- Optimised system performance under peak-traffic scenarios using JMeter and k6, resolving 3 critical bottlenecks ahead of production releases and cutting response latency by 15%.
- Streamlined defect lifecycle management via Jira, slashing average bug resolution time by 30% through structured triage and cross-team communication.
- Drove release stability improvements, contributing to a 40% drop in production incidents over 6 months.

Quality Assurance Engineer – Brandix Soft 2023 – 2024 | Lahore, Pakistan (Hybrid)

- Designed and executed 300+ test cases validating business workflows, UI behaviour, and data integrity across web-based client applications.
- Facilitated requirement analysis and sprint planning, minimising defect escape rate by establishing clear acceptance criteria from project inception.
- Conducted cross-browser and responsive testing across 5+ device configurations, recording zero UI regression incidents at release.
- Established smoke, sanity, and post-deployment validation procedures, eliminating post-release defect leakage across all project deliveries.

Quality Assurance Engineer – Moody's Investors Service *(Contract via Upwork)* 2022 – 2023 | Remote

- Built Cypress automation suites spanning 90%+ functional and regression workflows for ESG analytics and data reporting platforms.
- Verified REST API responses, confirming full data consistency across ESG services and upholding compliance-grade release standards.

Quality Assurance Engineer – Ngxoft Solutions 2020 – 2022 | Lahore, Pakistan (Hybrid)

- Executed functional, regression, and UAT validation across enterprise web platforms, sustaining a consistent defect detection rate aligned with delivery timelines.
- Engineered API validation scripts, trimming manual testing effort by 25% and bolstering back-end reliability across deployments.

TECHNICAL SKILLS

Test Automation:	Cypress · Playwright · Selenium WebDriver · Appium · REST API Testing · Performance Testing · JMeter · k6 · Regression Testing
Programming & Languages:	JavaScript · TypeScript · Java · Python · SQL
CI/CD & DevOps Tools:	Jenkins · GitLab CI/CD · Git · Jira · Confluence · LambdaTest · BrowserStack · Allure Reporting
Frameworks & Methodologies:	Page Object Model (POM) · BDD / Cucumber · Agile / Scrum · Cross-Browser Testing · Test Case Design · API Validation

KEY PROJECTS

Travel & Booking Platform – GripOnTrip (2025 – Present)

Architected test automation covering 100% of core user flows; optimised performance under peak load, resolving 3 critical bottlenecks and cutting response latency by 15%.

Client Web Applications – Brandix Soft (2023 – 2024)

Delivered functional and cross-browser validation across 5+ device configurations, recording zero UI regression incidents at production release.

Moody's ESG Data Platform – Moody's Investors Service (2022 – 2023)

Built Cypress automation suites and REST API validation achieving 90%+ workflow coverage and compliance-grade ESG data reliability.

EDUCATION

Master's in Artificial Intelligence 2024 – 2025

National College of Ireland – Dublin, Ireland

Bachelor's in Electrical Engineering 2016 – 2020

University of Engineering & Technology (UET) – Lahore, Pakistan

AWARDS & LANGUAGES

Runner-Up – National RoboWar Competition, HITEC University, Taxila (Oct 2018) — Secured second position for autonomous combat robot design and performance.

English — Fluent **Urdu** — Native / Bilingual