

ASIF NAWAZ

Senior Software Quality Assurance Engineer & Senior SDET

Islamabad, Pakistan

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Summary

Results-driven Senior SQA Engineer and AI Automation Architect with over 8 years of experience engineering scalable, code-first test infrastructure across enterprise web, mobile, and API ecosystems. Proven expert in architecting resilient end-to-end automation frameworks using Playwright, Cypress, and Selenium, and pioneering AI driven QA workflows including AI generated test script validation and autonomous self healing test suites to eliminate pipeline flakiness and accelerate release cycles for high traffic applications. Adept at leveraging Generative AI for automated test data generation and intelligent bug analysis to drive continuous quality improvement.

Experience

Shopworks

Senior SQA Engineer

Aug 2023 - Present
London, England (Remote)

- Led end-to-end QA activities across major enterprise product releases, coordinating manual and automated testing across 5+ feature streams and providing final deployment sign-offs.
- Architected custom, highly reusable automation wrapper libraries and test components, expanding automated E2E regression test coverage by 60% across complex distributed web platforms.
- Designed and maintained parallel test execution matrices in GitLab CI using TypeScript, slashing pipeline feedback loops by 45% while managing isolated test state environments.
- Reduced regression testing turnaround by 40-50% through high-risk scenario identification and strategic automation suite scaling.
- Stabilized CI automation suites by refactoring legacy tests and improving dynamic synchronization strategies, reducing CI pipeline failures by ~60%.
- Validated AI-driven workflows and AI-generated outputs against strict business acceptance criteria and system requirements.
- Conducted comprehensive performance and load testing using Apache JMeter to validate system scalability under peak operational stress.
- Integrated automated tests into CI/CD pipelines (GitLab CI) enabling early defect detection and faster release validation.
- Implemented QA process and created test plans for manual and automation testing.
- Maintained and updated automated test cases within existing Testim.io projects, utilizing JavaScript for developing custom steps to handle complex UI logic.
- Implemented cross-platform mobile automation using Maestro for both iOS and Android to streamline high-velocity UI testing.

Rayn

QA Automation Engineer (SDET) / SQA Engineer II

Jul 2022 - Jul 2023
Islamabad, Pakistan

- Directed QA and test automation efforts for multi-platform web and mobile releases, mentoring a team of junior QA engineers in test design techniques and standards.
- Engineered a modular, cross-platform mobile test automation framework from scratch for React Native applications utilizing Appium, Webdriver.io, and Node.js.
- Established a Component Object Model (COM) strategy, decoupling UI layers into isolated components to maintain test stability across rapid UI updates.
- Increased automated regression safety bounds by 50% while cutting test execution cycles in half, achieving a consistent 99% release pass rate.
- Executed robust API integration and contract testing using Postman and Swagger to validate payload schemas across frontend-to-backend microservices.
- Identified and resolved critical production defects within 24 hours, driving testing process optimizations that delivered a 20% gain in team efficiency.
- Managed QA efforts for web and mobile releases, ensuring functional, integration, and regression testing coverage across 3+ product modules.
- Streamlined QA processes and automation adoption, increasing overall testing efficiency across the team.
- Created comprehensive test artifacts including test plans, reports, and defect documentation.
- Collaborated with cross-functional teams to identify and resolve issues that could impact product quality.
- Provided recommendations to enhance the overall usability and accessibility of mobile applications.
- Tracked and managed defects using ClickUp.

Aurora Solutions

Jul 2019 - Jun 2022

Software Quality Assurance Engineer

Islamabad, Pakistan

- Owned software quality assurance within cross-functional Agile squads, delivering timely, zero-defect release validation across sprint cycles.
- Built automated E2E test suites for web and mobile applications using Cypress and Flutter Driver, boosting regression test coverage by 50%.
- Conducted deep-dive performance, stress, and load testing for web applications using Apache JMeter, ensuring optimal responsiveness and a 90% pass rate under load.
- Maintained rigorous defect tracking and test reporting in Jira, improving resolution visibility and triage for over 100+ reported defects.
- Researched and integrated modern AI-assisted testing tools into the QA lifecycle to optimize test authoring and exploratory testing efficiency.
- Maintained detailed testing reports, including defect reports, on a regular basis.
- Collaborated with cross-functional teams to ensure quality releases in agile test cycles.
- Continuously sought ways to improve the testing process and maintain high levels of quality for all software products.
- Stayed up-to-date with the latest testing tools and technologies to ensure effective testing methodologies.
- Provided recommendations to enhance overall user experience, ensuring applications were user-friendly and met accessibility standards.

MFSYS (Pvt.) Ltd.

Jul 2018 - Aug 2019

Software Quality Assurance Engineer

Islamabad, Pakistan

- Performed comprehensive requirement analysis to derive risk-based functional, boundary, and user acceptance test scenarios for financial software platforms.
- Developed and implemented custom automated test scripts for web applications from scratch using Selenium WebDriver with Java.
- Executed full-cycle functional, sanity, regression, integration, and UI compatibility testing across cross-browser environments.
- Documented, tracked, and verified 100+ defects, compiling regular test status and quality metrics reports for engineering stakeholders.
- Conducted requirement reviews and analysis to gain a comprehensive understanding of software products.
- Executed various testing types, including Sanity, Functional, Integration, Regression, UI & Compatibility, and System Testing.
- Collaborated with cross-functional teams to identify and resolve issues impacting product quality.
- Continuously sought ways to improve testing processes through the development of new methodologies and tools.
- Ensured adherence to established testing processes and standards to maintain high levels of software quality.

Education

National University of Computer and Emerging Sciences (FAST-NUCES)

2014 - 2018

Bachelor of Science (BS) Computer Science

Projects

Automation Frameworks & Suites

Architect & Developer

- Designed and implemented an automated end-to-end test suite for a web application utilizing Cypress and TypeScript. Leveraged Generative AI agents to assist in writing test scripts and generating comprehensive test documentation, significantly reducing manual effort.
- Architected a robust, scalable E2E automation framework from scratch using Java and Selenium WebDriver. Integrated Maven, TestNG, and Extent Reports, with AI-driven bug analysis tools to accelerate defect investigation and resolution cycles.
- Built a custom cross-platform mobile test automation framework from the ground up for React Native applications using Appium, Webdriver.io, and Node.js. Established a Component Object Model (COM) strategy and integrated Postman/Swagger for backend payload validation.
- Developed a dedicated mobile automation suite using Maestro to streamline testing for high-velocity UI updates, utilizing AI to maintain test stability and self-heal element locators across different mobile device configurations.

Skills & Awards

Technical Skills: Playwright, Cypress, Selenium WebDriver, Testim, Protractor, Appium, Webdriver.io, Maestro, Flutter Driver, Postman, Swagger, Apache JMeter, REST Assured, API Mocking, GitLab CI, GitHub Actions, AWS Device Farm, BrowserStack, Codemagic, TypeScript, JavaScript, Python, Java, SQL, TestNG, Node.js, AI-Driven Testing, Generative AI for QA, Autonomous Test Generation, AI-Assisted Bug Analysis, Test Strategy, Agile/Scrum, Jira, ClickUp, Git, ISTQB Standards

Languages: English (Native), Urdu/Hindi (Native/Bilingual Proficiency)

Certifications: Certified Tester - Foundation Level (CTFL) - ISTQB (Dec 2022), Cypress - Modern Automation Testing from Scratch + Frameworks - Udemy (2024), Selenium WebDriver with Java - Basics to Advanced + Frameworks - Udemy (Apr 2021), Testim Fundamentals - Tricentis (2024)