

Zeeshan Mustafa

mustafazeeshan333@gmail.com | +92 342 262 5647 | [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

A QA Automation Engineer who cares deeply about software quality — from writing precise manual test cases to building scalable frameworks in Playwright, Selenium, XCUITest, Appium, and more. Actively exploring where AI meets automation, with a track record of reducing execution time, stabilizing pipelines, and delivering reliable results across Agile teams.

EDUCATION

FAST NUCES — BS in Software Engineering

Sep 2021 – June 2025

GPA: 2.97/4.0 | Relevant Coursework: OOP, Data Structures & Algorithms, Software Testing, Software Design Specifications, SRS

WORK EXPERIENCE

QA Automation Engineer | Folio3

Feb 2026 – Present

- Building and automating E2E test coverage for CXApp across Web, iOS, and Android platforms using Playwright (Python), Selenium (Python), Swift XCUITest, and Kotlin
- Designing and maintaining cross-platform test architectures with Page Object Model, ensuring consistent coverage across functional, regression, and smoke scenarios
- Collaborating with product and development teams to define test strategies and deliver reliable automation coverage across multiple platforms simultaneously

SQA Automation Engineer — Associate | Vidizmo AI

June 2025 – Jan 2026

- Designed and automated E2E test cases using Playwright (TypeScript), contributing to user story refinement and acceptance criteria definition
- Investigated CI pipeline failures with Trace Viewer, maintaining an 89% pass rate across test suites
- Identified and fixed flaky tests or escalated real application bugs to ensure consistent product quality

QA Engineer — Trainee | QBS CO.

Oct 2024 – June 2025

- Promoted from QA Intern based on strong ownership of QA artifacts and measurable process improvements
- Built an API automation framework using Java and Cucumber for the PSO BLUE LPG project, cutting test execution time by 30% through Performance, Regression, and Smoke testing
- Conducted Postman API testing and JMeter performance analysis in cross-functional Agile teams following SCRUM methodologies
- Created detailed test plans and maintained comprehensive documentation across multiple platforms and browsers

Automation Test Engineer — Intern | The ModVentures

Aug 2024 – Sep 2024

- Built E2E regression and functional tests for the Toucher Mobile App using Jest, Java, Maven, and Appium with Page Object Model, cutting manual effort by 75%
- Integrated Allure reporting for test execution insights and managed documentation in ClickUp with JIRA integration
- Identified and documented defects throughout the SDLC using boundary value analysis and equivalence class partitioning

PROJECTS

Playwright E2E Automation Framework [\[PW-E2E\]](#)

- Built a modular Playwright + TypeScript E2E framework using Page Object Model with centralized locators, reusable utilities, and structured test data — covering functional, regression, and smoke scenarios
- Integrated with GitHub Actions CI/CD pipeline, with HTML reporting and Trace Viewer for automated failure debugging across multiple browsers and platforms

iOS XCUITest Automation Framework [\[XCUi-iOS\]](#)

- Built a scalable iOS UI automation framework using XCUITest and Swift with Page Object Model across 9 test suites, covering gesture testing, form validation, async loading, and accessibility scenarios
- Configured UITEST_MODE launch arguments to improve CI stability and reduce environment-related test failures

E-Commerce: Selenium Test Automation Framework [\[AUTOMATION E-COM\]](#)

- Automated comprehensive E2E testing using Selenium WebDriver with C# and NUnit, building a data-driven framework grounded in OOP principles
- Integrated automated tests into a Jenkins CI pipeline and configured Allure Reporting for real-time insights and defect tracking

AI & AUTOMATION RESEARCH

Published Articles — Medium (AI in Plain English)

- "Inside Claude Code: Plan Mode vs Skills vs Subagents in Real Playwright Automation" — structured AI workflows for production-level test automation
- "Stop Diagnosing Playwright Traces Manually — Automate It with Claude + Playwright MCP" — practical AI and MCP integration for automated failure detection and root-cause reporting
- "Manual Testing Is Evolving: Real Device Automation with BrowserStack" — AI-assisted configuration bridging manual testing with real-device Playwright automation

Open-Source Tools — GitHub

- Open-sourced [playwright-agents-skill](#) — a Claude Code subagent and skill framework for AI-driven test generation, POM-based locator conventions, and parallel trace review using isolated subagents
- Built [playwright-trace-diagnosis-skill](#) — a structured skill guide that teaches Claude how to extract, interpret, and return root-cause findings from Playwright trace failures automatically

TECHNICAL SKILLS

Programming Languages: Java, JavaScript, TypeScript, Python, Swift, C# (Strong OOP & Data Structures knowledge)

Testing Tools: Playwright, Selenium WebDriver, XCUITest, Appium, JMeter, Postman, Cucumber BDD, JUnit 5, Jest

Mobile Testing: iOS UI Automation (XCUITest / Swift), Android Automation (Kotlin / Appium)

Tools & Platforms: JIRA, Azure, ClickUp, Git, Jenkins CI/CD, GitHub Actions, Allure Reporting, Maven, BrowserStack

Testing Expertise: E2E Testing, API Testing, Performance Testing, Regression, Smoke, Cross-browser, Accessibility, Boundary Value Analysis, Advanced Debugging

Methodologies: Agile Testing Life Cycles, SCRUM, Manual Testing, Test Automation, CI/CD Integration

CERTIFICATIONS

- **Selenium with Python** – 10Pearls University (2026)
- **Software Testing Fundamentals** – Alison (2024)
- **Introduction to Performance Testing with JMeter** – BlazeMeter University (2024)
- **API Testing with Postman** – Postman Academy (2023)