

Zeeshan Amjad

Software Engineer

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PROFESSIONAL SUMMARY

Software engineer with 4 years of professional experience in test automation and quality engineering (web automation, API testing, regression, accessibility, and performance/load testing), alongside independent work building backend systems and AI-assisted software. Strong hands-on experience with Playwright, Cypress, TypeScript, JavaScript, Postman, GoCD, GitHub Actions, and maintainable test automation frameworks. Also builds multi-tenant SaaS backends with NestJS, Fastify, FastAPI, Prisma, and PostgreSQL. Experienced in validating frontend workflows, backend API behavior, CI/CD execution, test data, and bot-driven data extraction across MOOC, online gaming, online assessment, and insurance automation products. Practical experience using Claude and OpenAI/ChatGPT for requirements analysis, test-case ideation, debugging, automation planning, and agentic SDLC/STLC workflow design.

CORE SKILLS

Test Automation: Playwright, Cypress, Puppeteer, Selenium, Jest, E2E testing, regression testing, integration testing, accessibility testing

API & Backend Validation: Postman, REST APIs, request/response validation, API contract checks, backend flow analysis, test data validation

Performance & Reliability: k6, Locust, Grafana k6, load testing, flaky test investigation, test stability, root-cause analysis

CI/CD & Tooling: GoCD, GitHub Actions, Git, Docker, CI test execution, pipeline validation, test reporting

Languages: TypeScript, JavaScript, Python

AI-Assisted Engineering: Claude, OpenAI/ChatGPT, prompt-driven analysis, test planning, SDLC workflow design, AI-assisted debugging

PROFESSIONAL EXPERIENCE

Software Automation Engineer / SDET

Arbisoft | Lahore, Pakistan / Remote | Feb 2022 - Present

- Built and maintained automated test suites using Playwright, Cypress, TypeScript, and JavaScript across a MOOC platform, an online multiplayer game, an online assessment platform, and a dental-insurance data-extraction product.
- Automated around 30 test cases for the MOOC platform, 2 automation flows for the assessment platform, and 5-6 load testing scenarios for the multiplayer game, covering critical workflows, regression paths, and platform-specific validation.
- Tested 50+ APIs using Postman and automated validation approaches, covering request/response behavior, data validation, and backend workflow correctness.
- Integrated and maintained automated test execution in GoCD pipelines, supporting CI-based regression checks and deployment validation.
- Reduced the multiplayer game's regression execution time by approximately 10% by automating repeated validation flows and improving execution reliability.
- Investigated and reduced 50+ flaky test issues by reviewing selectors, application state, network calls, logs, API responses, timing behavior, and test data conditions.
- Validated a data-extraction bot for American dental-insurance websites, covering extraction accuracy, edge cases, and workflow reliability.
- Improved automation reliability through reusable fixtures, cleaner test structure, stronger selectors, better test data handling, and retry-aware workflow design.
- Collaborated with developers and product stakeholders to understand requirements, identify risk areas, troubleshoot defects, and strengthen test coverage.

Product Support Engineer

Techlogix | Lahore, Pakistan | Jun 2021 - Jan 2022

- Supported enterprise software users by investigating issues, reproducing defects, and coordinating with engineering teams for resolution.
- Analyzed application behavior, user workflows, logs, and data issues to identify root causes and document clear findings.
- Communicated with customers and internal teams to troubleshoot production issues and maintain clear issue visibility.
- Built a practical foundation in defect analysis, product behavior, customer-facing troubleshooting, and software support.

PRODUCT & DOMAIN EXPERIENCE

- MOOC / online learning platform: web automation, regression coverage, and workflow validation.

- Online multiplayer gaming platform: load testing, regression optimization, and reliability validation.
- Online assessment platform: automation coverage for assessment-related workflows.
- American dental-insurance data extraction: bot implementation support, extraction validation, and edge-case testing.

SELECTED PROJECTS

Sentinel - Web Automation Framework

TypeScript | Playwright | Framework Design | CI/CD

- Designed a tool-agnostic web automation framework focused on reusable components, stable selectors, scalable test architecture, and maintainable test flows.
- Used a hybrid Component Object Model and Functional Page Model approach to separate page structure from business workflows.
- Added support for reusable fixtures, environment configuration, structured test flows, and clearer automation event patterns.

ForgeLoop - Agentic SDLC/STLC Automation Platform

AI Agents | QA Automation | Claude | OpenAI/ChatGPT | SDLC/STLC Workflows

- Built a project-aware, human-supervised AI workflow platform for requirements intake, ticket generation, implementation workflows, QA gates, CI feedback, testing evidence, audit artifacts, and long-term project memory.
- Uses Claude and OpenAI/ChatGPT for AI-assisted requirement analysis, planning, test strategy, review loops, and agent-guided engineering workflows.
- Focused on deterministic QA checks, human approval gates, project context management, and evidence-based software delivery.

Automated Web Scraping & Reporting Tool

TypeScript / JavaScript | Automation | Data Extraction | Data Validation | Reporting

- Designed automation workflows for extracting data from multiple websites and generating structured reports.
- Added validation checks to improve data accuracy and handle edge cases during extraction and reporting.

CERTIFICATIONS & PROFESSIONAL DEVELOPMENT

- freeCodeCamp - Responsive Web Design
- freeCodeCamp - JavaScript Algorithms and Data Structures
- Preparing for ISTQB/ASTQB CTFL 4.0
- Preparing for AWS Certified Cloud Practitioner

EDUCATION

FSc Pre-Engineering | Pakistan

GCE O Levels | 1 A*, 6 A's, 1 B