

Muhammad Hassnain Raza

QA Automation Engineer | SDET | Python Automation Tester

✉ hassnaingill012@gmail.com ☎ +92 339 4013769 📍 Karachi, Pakistan

🌐 [linkedin.com/in/hassnain-raza](https://www.linkedin.com/in/hassnain-raza) 🐙 github.com/hassnain11

📁 PROFESSIONAL SUMMARY

Software Quality Assurance Engineer with hands-on experience designing scalable UI and API automation frameworks using Python. Built Selenium WebDriver and Requests-based frameworks from scratch using Pytest, Page Object Model (POM), reusable utilities, logging, configuration management, data-driven testing, reporting, and GitHub Actions CI/CD. Strong understanding of SDLC, STLC, Agile, SQL, manual and automation testing.

🧩 KEY ACHIEVEMENTS

- Built two end-to-end automation frameworks using Python for UI and API testing.
- Integrated automated test execution with GitHub Actions for continuous integration.
- Completed an 8-week SDET internship with hands-on experience in automation, API testing, and Agile development.

🧠 TECHNICAL SKILLS

Programming

Python, SQL

API Automation

Requests, REST APIs, CRUD Testing, JSON, Authentication, Headers & Response Validation, JSON Schema Validation

Reporting & CI/CD

Git, GitHub, GitHub Actions, HTML Reports, Allure Reports

Databases

MySQL, SQLite

UI Automation

Selenium WebDriver, Pytest, Page Object Model (POM), Data-Driven Testing, Cross-Browser Testing, Headless Execution, WebDriver Manager

Framework Development

Driver Factory, Base Page, Reusable Utilities, Logging, Configuration Management, .env, Custom Validators, Custom Exceptions

Tools

Postman, VS Code, PyCharm

Methodologies

Agile, SDLC, STLC, Functional, Regression, Smoke, Sanity Testing

📁 PROFESSIONAL EXPERIENCE

Software Development Engineer in Test (SDET) Intern

04/2026 – 07/2026

[Tekovex](#) 🌐

Developed and executed UI and API automated tests using Python, Selenium WebDriver, Pytest, Requests, and Postman. Contributed to automation framework development, performed functional, regression, and API testing, managed defects in Jira, and collaborated in an Agile environment using Git and SQL.

📁 PROJECTS

Selenium Python Automation Framework

• Repository: <https://github.com/hassnain11/Selenium-Python-Automation-Framework>
Designed and implemented a scalable automation framework using Python, Selenium and Pytest. Implemented POM, driver factory, fixtures, logging, configuration management, environment variables, Excel data-driven testing, HTML/Allure reports, screenshots on failure, cross-browser and headless execution. Integrated GitHub Actions for CI.

Python API Automation Framework

• Repository: <https://github.com/hassnain11/Python-API-Automation-Framework>
Developed a modular REST API automation framework using Python Requests and Pytest. Implemented reusable API client, logging, configuration, JSON schema validation, CRUD testing, authentication, response validation, smoke/regression suites and GitHub Actions.

🎓 EDUCATION

Bachelor of Software Engineering

Bahria University, Karachi

09/2022 – 06/2026

Karachi, Pakistan