

Hamza Mobeen

Software Engineer-|| / Software developer Engineer in Test



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WORK EXPERIENCE

12 Tech llc, New Jersey,United States— SDET (Remote)-

SEP 2024 - Present

- As an Automation Engineer (SDET), I developed automated test scripts for a React-based UI and Django backend using Selenium, TestNG, and Java, while also building a custom Selenium framework in Python with pytest. I focused on API testing, database validation, and security, leveraging Qualys for vulnerability assessments and policy compliance. Additionally, I collaborated with cross-functional teams and utilized AWS to enhance infrastructure security, scalability, and test environment reliability, ensuring high-quality standards across the development lifecycle

AFINITI, Pakistan — SDET (Hybrid)-

OCT 2022 - SEP 2024

- Worked as SDET in the Monitoring and Evaluations Systems Team at Afiniti on various projects/microservices utilizing a variety of technologies e.g, Python, Java, C++, Node.js, Docker, React, Go, Grafana, Telegraf, Postgres etc. A part of my job also involved solving technical issues faced by production support teams for different products. Conducted comprehensive API testing for microservices, ensuring robust functionality, performance, and reliability across distributed systems using Selenium + TestNG

PROFESSIONAL PROJECTS

Full-Stack Test Automation of ReactJS and Django – *Selenium & Pytest(Python)*

Automated testing for a REST-based ReactJS application with a Django backend using Selenium and Pytest in Python. Covered both API and UI validation to ensure end-to-end reliability, enhancing test coverage, speeding up issue detection, and improving overall software quality.

Next.js Application Automation – *Selenium & TestNG (Java)*

Automated testing for a REST-based Next.js application with a Django backend using Selenium and Pytest in Python. Validated both API and UI components to ensure end-to-end reliability, improving test coverage, accelerating bug detection, and enhancing overall software stability.

Automation for REST API Testing — *Selenium TestNG Java*

I have worked on a microservice involving the validation of REST API and UI components using the TestNG framework in Java with Selenium, ensuring comprehensive testing coverage across both backend and frontend functionalities

Full-Stack Test Automation for Monitoring Services— *Pytest Cypress*

Developed an automated monitoring service with Pytest (Python) for backend testing and Cypress for UI validation, enhancing software reliability, reducing manual testing, and improving user experience through comprehensive end-to-end test coverage.

Configuration Server Automation – Backend & UI Testing—*Behave ,Cypress*

Designed and implemented an automated configuration server solution to enhance operational efficiency and system reliability. Used Python with the Behave framework for backend behavior-driven testing and Cypress for end-to-end UI automation, resulting in improved test coverage, faster issue detection, and higher software quality.

SKILLS

Django python

TestNG

Selenium

Git

Linux

JIRA

Confluence

Docker

Kubernetes

Podman

Postman

Cypress

AWS

Qualys

Microservice Architecture

Pytest

EDUCATION

BS ELECTRICAL Engineering, University of Engineering and Technology Lahore, Pakistan 2018 - 2022

REFERENCES

Syed Muneeb Ali Rizvi, Sr.Expert SDET – *Afiniti ISLAMABAD, PAKISTAN*

E:mail: [@gmail.com](mailto:muneeb.ali@afiniti.com)

Taimur sarwar, SVP at Habib Bank Limited, ISLAMABAD, PAKISTAN

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Mansoor Hussain, Service Group Manager – Afiniti KARACHI,PAKISTAN

Service Group Manager for team Oversight at [Afiniti](#).

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Don Cohen,Chief Operating Office – SecurePoint360 NEW JERSEY, UNITED STATES

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LANGUAGES

English

CERTIFICATION

Unit Testing in Python # [_](#)

Automation in cypress # [_](#)

Docker <#>

Selenium with TestNG

Selenium with Pytest