Lakshya Sharma

Pune, Maharashtra

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PROFESSIONAL SUMMARY

QA Automation Engineer with 2+ years of expertise in TDD (Pytest/TestNG) automation frameworks, API & performance testing, mobile automation, AI model validation, and CI/CD integration. Accelerated regression execution by 40% and ensured 95%+ release stability across Web, Mobile, API, and AI-based applications.

EXPERIENCE

IIHT-Techademy Learning Solutions Pvt. Ltd.   Aug 2023 - Present
QA Automation Engineer   Pune, Maharashtra

– Designed and maintained a Hybrid Test Automation Framework (TDD-based) using Selenium WebDriver, Python, and Pytest, improving regression efficiency by 40% and reducing crashes by 30% .
– Automated UI and API test cases with REST Assured and Postman, increasing coverage by 30%.
– Integrated 3+ test suites into CI/CD pipelines using Jenkins and GitLab CI reducing manual execution by 50% for nightly regression runs.
– Executed performance testing using JMeter to assess application scalability and identify bottlenecks under load and improving response time by 20% .
– Facilitated Agile/Scrum ceremonies and defect triage, improving collaboration and accelerating issue resolution within the team.

PROJECTS

AEYE: AI Based Proctoring Software   Present
Tech Stack: AI, API, WebSocket, Kafka, Azure, JMeter, PostgreSQL

– Authenticated AI-based proctoring workflows across Web & API layers, improving efficiency by 30%.
– Validated AI models for accuracy and performance, enhancing stability and throughput by 20%.
– Introduced Shift-left testing practices, enabling early bug detection and improved test efficiency by 15% .
– Generated weekly defect trend reports and investigated failed automation cases to support root cause analysis and continuous improvements.

YAKSHA: Assessment Platform   Jan 2024 - Jun 2024
Tech Stack: Postman, Swagger, Database, VM, CI/CD

– Coordinated UAT with 95% approval rate and conducted comprehensive functional testing and Reduced defect resolution time by 30% via effective defect logging/tracking in JIRA.
– Developed regression 3+ test suites and Mentored CI/CD validation in Jenkins.
– Validated database integrity on 50+ tables using SQL queries and performed basic security checks for authentication and data flow validation.

Techademy Campus: EdTech Platform   Sep 2023 - Dec 2023
Tech Stack: JIRA, Agile Scrum, API, Database

– Achieved 96% test coverage and traceability through detailed test case design and Performed API testing via Postman, improving reliability metrics by 30%.
– Systematized sanity & Enhanced regression checks with Selenium and Pytest, maintaining 95% stability post-updates.

SKILLS

• **Test Automation:** Selenium WebDriver, Pytest, TestNG, Appium, Playwright, Junit, TDD Framework
• **API Testing:** REST Assured, Postman, Swagger, Requests Library
• **Testing:** Functional, Regression, Sanity, JMeter/Locust, Performance & Security Testing(OWASP)
• **CI/CD & DevOps:** Jenkins, Git, GitLab CI, Docker, Azure, Kubernetes
• **Databases & Languages:** MySQL, SQL, Python, Core Java
• **Agile & Tracking:** JIRA, Zephyr, Confluence, Scrum, STLC, Test Planning

EDUCATION

B.Tech - Bikaner Technical University   Mar 2019 - Sep 2022
GPA: 8.5/10   Ajmer