

Rohit Medpalli

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Summary

Results-driven SDET with 6+ years of experience in developing and executing comprehensive test plans for web, mobile applications and API's. Proficient in Python, Robot framework, playwright with a strong background in Agile methodologies. Committed to delivering high-quality, reliable software through rigorous testing and collaboration with cross-functional teams.

SKILLS

Languages : Python, Java, JavaScript

Databases : MongoDB, PostgreSQL, MySQL, Elasticsearch

Automation Frameworks : Custom Made API automation Frameworks, Pytest, Robot framework, Appium, Selenium, Playwright

Performance testing : Locust

Version Control & Continuous Integration: Jenkins, BitBucket, Git, Docker

Software tools: Charles proxy, Postman, Android studio, Jira

WORK EXPERIENCE

Inflect Technologies Private Limited, Bangalore

June 2022 - Present

Lead Software Test engineer

- Investigated and Resolved critical performance issues in a web application, reducing API response time from 45s to under 10s, enhancing user experience and system efficiency.
- Collaborated with dev team to integrate Bitbucket CI pipeline, improving code quality and accelerating release cycles for faster time to market.
- Led a team of 4 QAs, mentoring and training them on automation and functional testing tools, resulting in high-quality product feature releases.
- Developed a custom test reporting tool using Streamlit for automation frameworks, enhancing visibility and reducing reporting time by 50%, facilitating faster decision-making.
- Developed a Python-based data validation framework for multiple platforms, providing detailed test reports and increasing data accuracy by 95%, ensuring reliable data integrity across systems.
- Helped scale 5 pilot customers to production by performing load testing with Locust on ML endpoints, improving response time by 25% and handling 5x more users.
- Contributed to testing the dockerized backend system, ensuring robust performance and reliability following a 90% reduction in deployment time and enhancing scalability by 50%.

Infilect Technologies Private Limited, Bangalore

June 2019 – June 2022

Senior Software Test engineer

- Implemented a risk-based testing approach using mind maps for a major software release, reducing production defects by 80%.
- Designed a robust automated API testing framework using python and robot framework, cutting testing time by 75% and increasing code coverage by 70%.
- Enhanced regression suite performance by 80% through parallel test case execution using robot framework and python, significantly improving deployment times.
- Constructed integration and E2E test scenarios that focus on finding issues early in the testing process, reducing issue-related delays by 50%.
- Collaborated with cross-functional teams, including development and product management, to define testing strategies aligned with business needs, and regularly reported testing status to stakeholders for informed decision-making.

Bonzai – The Creative Management Platform, Pune

June 2019 – June 2022

QA Engineer

- Ensured comprehensive test coverage for web and mobile apps by performing smoke, sanity, exploratory, and regression tests, achieving a 95% defect detection rate.
- Improved project outcomes by 30% through active participation in review meetings with cross-functional teams, enhancing collaboration and issue resolution.
- Reduced manual testing effort by 50% by developing a UI automation framework with Selenium WebDriver, Python, and Robot Framework.
- Achieved 95% test coverage accuracy by designing 150+ detailed test cases from use cases and technical specifications, ensuring reduced production issues.

PROJECTS

API automation framework

[View in GitHub](#)

- Created a scalable API automation framework with pytest, requests, and asyncio. Supports async API testing, retries, and dynamic test configurations.

UI automation framework

[View in GitHub](#)

- Developed a modular UI test automation suite with Playwright using the POM pattern for better reusability and maintainability. Supports parallel and cross-browser testing.

EDUCATION

B.E. in Electronics & Telecommunication Engineering

Aug 2013 – Jun 2016

PICT, Pune