

SHASHANK RUSHIYA

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PROFESSIONAL SUMMARY

Software Development Engineer in Test (SDET) with 3 years of experience building scalable test automation frameworks, defining end-to-end test strategies, and driving quality across large-scale distributed systems. Proven track record owning the full STLC in Agile environments, from requirements review and test planning through automated execution, defect triage, and release sign-off. Experienced in Python-based automation, REST API testing, CI/CD pipeline integration, AI-driven test generation via OpenAI API, and mentoring QA engineers to deliver measurable improvements in coverage, reliability, and release velocity.

PROFESSIONAL EXPERIENCE

Software Development Engineer in Test | Vaaree, Bengaluru, India

Dec 2024 – Present

- Architected end-to-end test automation frameworks using Python, Playwright, and Selenium, scaling automated coverage from 40% to 75% and reducing regression cycle time by 35%, directly accelerating release velocity across product teams.
- Defined and executed comprehensive test strategies across UI, API, and system integration layers; reviewed product requirements and developer code to verify test plan accuracy and identify quality risks early within sprint cycles.
- Integrated OpenAI API into an internal QA platform for AI-driven test case generation and automated test reporting, reducing manual authoring effort significantly and improving edge case coverage across complex user workflows.
- Conducted manual mobile testing across iOS and Android platforms; managed test cases and defect lifecycle using JIRA and TestRail, with automated suites integrated into Jenkins CI/CD pipelines for continuous delivery.
- Mentored and coordinated a 5-person QA team (2 automation engineers, 3 manual testers), establishing test design best practices, driving root cause analysis culture, and collaborating with Engineering Leads and Product Managers to align quality standards with business objectives.

Associate Engineer – Automation | Synechron, Bengaluru, India

Oct 2024 – Dec 2024

- Designed and executed automated test suites for financial platforms using Python, Selenium, BDD (Cucumber), and Pytest covering web, REST API, and system integration testing under strict enterprise reliability and compliance standards.
- Developed comprehensive test plans, test conditions, and test data sets ensuring thorough coverage across critical financial workflows; performed structured root cause analysis on production failures and drove timely resolution with development teams.
- Optimised existing automation framework architecture to eliminate flaky tests, reduce execution time, and improve maintainability, enabling faster feedback loops and increasing engineering confidence in automated test results.

Software Engineer in Test | TestYantra Softwares Pvt Ltd, Bengaluru, India

Jul 2023 – Aug 2024

- Built a scalable test automation framework for a distributed loan processing system using Python and SQL, reducing testing cycle time by 20%, cutting manual testing effort by 30%, and increasing validation accuracy across business-critical workflows.
- Engineered REST API test automation and systematic service validation, improving API reliability by 15% over two quarters through structured test coverage, failure triage, and root cause analysis of critical service integrations.
- Managed defect tracking and sprint delivery using JIRA, improving timeline adherence by 25% through efficient issue prioritisation; strengthened CI/CD integration using Jenkins, Bitbucket, and Confluence, enhancing code consistency and knowledge sharing by 25%.

EDUCATION

Master of Science (MS) | Nagpur University, India

2018 – 2020

TECHNICAL SKILLS

Languages: Python (Professional), JavaScript / TypeScript (Intermediate), SQL / PostgreSQL

Test Automation: Selenium, Playwright, Pytest, BDD (Cucumber), Page Object Model, REST API Automation, UI Automation, Mobile Testing (iOS/Android)

Testing Expertise: Framework Design, End-to-End Testing, System Integration Testing, Functional Testing, Black Box and White Box Testing, Manual Testing, Test Planning, Test Case Design, Defect Triage, Root Cause Analysis, Release Certification

AI and Tools: OpenAI API, AI-Driven Test Generation, JIRA, TestRail, Confluence, Postman, Git, Bitbucket, Linux (basic)

Methodology: Agile / Scrum, CI/CD (Jenkins), Shift-Left Testing, Cross-functional Collaboration, Mentoring