Santosh Adhikari

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Professional summary

Skilled Software Quality Assurance Engineer with 5 years of experience in test automation and quality assurance across diverse software projects. Proven expertise in architecting automated testing frameworks, executing functional and regression testing, and collaborating with cross-functional teams to enhance product stability. Successfully reduced regression testing time through BDD automation and improved release efficiency. Proficient with Selenium, Playwright, and Jenkins, driving quality across monolithic and microservice architectures.

Work experience

Software Development Engineer in Test (SDET)

Uvion Tech Pvt. Ltd | Kathmandu

March 2025 to Present

- Architected and maintained a consumer-driven contract testing framework across microservices, validating API schemas and catching breaking integration changes early in the CI/CD pipeline.
- Engineered robust end-to-end test suites using Playwright with pytest, implementing page-object patterns, parallel execution, and automated reporting to accelerate release cycles and improve test reliability.
- Designed and managed comprehensive test cases for API and web-based applications using TestRail and Zephyr.
- Partnered closely with developers on technical requirements and system changes, ensuring full alignment between engineering and QA.
- Implemented behavior-driven development (BDD) test suites and automated execution to improve test clarity and collaboration.
- Maintained and troubleshot Jenkins CI/CD pipelines, rapidly diagnosing build failures and resolving automated test defects.
- Developed automated API test suites in Java with JUnit and in Ruby with HTTParty.
- Resolved automation flakiness, enhanced test suite reliability, and logged detailed defect reports to drive product quality.
- Executed functional, integration, and regression testing across both monolithic and microservice-based architectures.

Software Quality Assurance Engineer

Zegal Pvt. Ltd | Kathmandu

August 2020 to December 2022

- Automated BDD test cases using Java (Selenium, Cucumber), significantly reducing regression testing time and improving release efficiency.
- Actively participated in product feature discussions and test planning, leading testing efforts for key projects such as Legal Advice and Clickawill.com.
- Developed, documented, and maintained test cases, test data, and defect tracking, ensuring a structured approach to quality assurance.
- Conducted thorough regression testing following bug resolution to maintain product quality and reliability.
- Analyzed testing results, identified recurring issues, and worked closely with developers to implement preventive measures, enhancing overall product stability.
- Collaborated with cross-functional teams to align testing with business goals and ensure seamless feature rollouts.
- Experienced working with the Jenkins pipeline system, aiding in debugging and tracking failures in automated tests.
- Engaged in knowledge-sharing sessions with team members to discuss best practices in testing methodologies and tools.

Jr. QA Engineer

Dynamic Technosoft Pvt. Ltd | Kathmandu

October 2019 to July 2020

- Developed and maintained comprehensive test cases for mobile and web-based applications, ensuring thorough test coverage and quality standards.

- Performed functional and smoke testing on each build to validate application stability and identify issues early in the development cycle.
- Collaborated closely with developers to evaluate software performance, address user problems, and optimize the user experience.
- Gained hands-on experience in automation testing using Selenium with TestNG in Java, laying a strong foundation for future automation work.

Education

Bachelor in Computer Application
College of Information Technology & Engineering | Kathmandu

Computer Science (Higher Secondary Education Board)
Shree Siddhartha Higher Secondary School | Hetauda

Skills

BDD Python Cucumber Playwright Java CI/CD HTTParty Git REST Selenium Ruby Zephyr Contract Testing Test Automation

Certifications and licenses

Object Oriented Programming in Java
https://coursera.org/share/d2edca68cf94a5824b65460359da6fff

The Structured Query Language (SQL)
https://coursera.org/share/604c26245d0f46bd8801b0a4536c36c1