

PRINCE RAJ

Software Development Engineer in Test (SDET) — QA Automation Engineer

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PROFESSIONAL SUMMARY

Results-driven SDET with 1+ years of experience specializing in building robust test automation frameworks for web applications and APIs. Proven expertise in enhancing software quality and accelerating release cycles by integrating automated testing into CI/CD pipelines. Passionate about leveraging technologies like Selenium, Cypress, REST Assured, and Docker to deliver reliable, high-quality software in Agile environments.

TECHNICAL SKILLS

- **Programming Languages:** Java, JavaScript, SQL
- **Automation Tools/Frameworks:** Selenium WebDriver, Cypress, Playwright, REST Assured, TestNG
- **API Testing:** REST Assured, Postman (API validation, schema testing, authentication)
- **CI/CD & DevOps:** Jenkins (Pipeline setup), Docker, Selenium Grid
- **Test Management & Reporting:** JIRA, Allure Reports, TestNG Reports
- **Methodologies:** Agile (Scrum), Functional/Regression Testing, Data-Driven Testing, Exploratory Testing

PROFESSIONAL EXPERIENCE

Software Test Engineer — BPAAS — Gurugram Oct 2024 – Present

- Engineered a data-driven Selenium WebDriver framework in Java, automating [e.g., 80+] test cases for critical user workflows, which cut regression testing time by [e.g., 30%] per sprint and improved test coverage.
- Developed and executed a comprehensive API testing suite using REST Assured, validating endpoints for payload, status codes, and schemas, which identified [e.g., 15+] critical bugs before production deployment.
- Integrated automated test suites into Jenkins CI/CD pipeline, enabling nightly regression runs and reducing manual effort by [e.g., 10 hours] per week.
- Containerized test execution environments using Docker and Selenium Grid, facilitating parallel cross-browser testing and increasing test execution speed by [e.g., 60%].
- Conducted thorough exploratory and functional testing for key modules (Committee, Vendor Onboarding), contributing to a [e.g., 25%] reduction in post-release defects.

KEY PROJECTS

Modular Selenium Automation Framework (Java)

[GitHub](#)

- Designed a Page Object Model (POM) based framework with utilities for logging, data handling (Excel/JSON), and detailed Allure reporting.
- Implemented Dockerized Selenium Grid setup to achieve parallel test execution across 3 browser environments, slashing total test suite runtime by [e.g., 70%].

End-to-End API Test Suite (REST Assured)

[GitHub](#)

- Created an automated suite for a file upload API, handling OAuth 2.0 token management and response validation, achieving [e.g., 99%] pass rate in CI pipeline.

UI Regression Suite (Cypress)

[GitHub](#)

- Built a Cypress framework to automate end-to-end UI scenarios for a demo web application, ensuring stability across [e.g., 20+] critical user journeys.

EDUCATION

- **SDET Program** — Masai School 2024
- **Bachelor of Science** — Patliputra University 2024

CERTIFICATIONS

- Selenium WebDriver with Java (Test Automation University)
- Agile Manual and Automation Testing (TechCanvass)