Riya Prakash

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AUTOMATION TEST ENGINEER

Result-oriented **QA Engineer** with **4+ years of experience in the BFSI domain**, specializing in browser-based **UI and API automation testing** using **Selenium WebDriver, Java, TestNG and Cucumber BDD.** Experienced in designing, maintaining, and scaling automation frameworks, implementing **Agile testing practices**, and improving test coverage and release quality. Strong problem-solving skills with a focus on end-to-end testing and delivering reliable, with a strong focus on compliance.

TECHNICAL SKILLS

Automation & Testing Tools: Selenium WebDriver, REST Assured, Postman, IntelliJ IDEA, Web Automation, Playwright, AI-assisted development tools (GitHub Copilot, Gemini)
Frameworks: TestNG, Cucumber BDD, Page Object Model (POM), Data-Driven Framework, Hybrid Framework
Programming Languages: Java, SQL
Build, CI/CD & Version Control: Maven, Git, GitHub, Jenkins
Test Management & Tracking: JIRA, Agile Scrum Methodology, Confluence
Quality Assurance Testing Types and Practices: UI and API Testing, End-to-End Testing, Functional Testing, Cross Browser Testing, Black box testing, Regression Testing, Smoke Testing, SDLC, STLC

WORK EXPERIENCE

Systems Engineer, Tata Consultancy Services Jul 2021 - Oct 2025

- Developed and maintained 180+ reusable automation test scripts using Java, Selenium WebDriver, Maven for Web based applications, improving test coverage by 40% and reducing manual effort by 60%
- Automated end-to-end UI workflows for policy generation, policy enquiry, and customer onboarding using Selenium and Cucumber BDD, validating screen navigation, field mappings, and business rules
- Designed and executed BDD test scenarios (Given-When-Then), integrating UI and API automation using REST Assured, Postman and Karate, improving end-to-end validation and backend reliability by 35%
- Experience with automation using Playwright, exploring browser automation concepts such as element handling, locators, and asynchronous waits for modern web applications.
- Automated browser-based UI regression scenarios for enterprise web applications with limited backend visibility, following black-box testing principles Validated role-based access, entitlements, and authorization workflows through UI-level automation and end-to-end test scenarios
- Executed cross-browser regression testing, identifying browser-specific UI and synchronization issues.
- Leveraged AI-assisted coding tools such as GitHub Copilot, Gemini to accelerate automation script development, suggest code snippets, and improve framework maintainability, reducing manual scripting effort
- Integrated automation test suites with CI/CD pipelines using Jenkins, enabling scheduled and trigger-based execution, faster feedback cycles, and improved release confidence
- Used Git-based version control for collaboration, performed code reviews, and contributed to framework enhancements through reusable utilities and common libraries, reducing automation maintenance effort by 30%
- Improved test traceability and reporting by implementing Gherkin step-to-screenshot mapping and automated pass/fail logging, enabling 50% faster defect identification during regression cycles
- Performed manual testing (functional, regression, smoke) and owned automation regression suite execution, ensuring consistent test coverage across UI and API layers in Agile environments
- Logged, tracked, and validated 50+ defects using JIRA, actively participated in Agile/Scrum ceremonies (stand-ups, sprint planning, reviews, retrospectives), and supported knowledge-sharing initiatives to improve team productivity

EDUCATION

B. Tech in Electronics and Communication Engineering Jun 2017- May 2021
SRM Institute of Science and Technology