

## Kishore Rayudu

Sr. QA Automation Engineer | Java | Selenium | Appium | Cucumber | BDD | Rest API | DevOps | GenAI

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### PROFESSIONAL SUMMARY

- Experienced software Automation Test engineer around 9 years in **Java, QA, Manual Testing, Selenium Automation web and mobile, API Testing, Appium**, and various testing methodologies.
- 8+ years automating with Selenium using Java in **Eclipse/IntelliJ**, collaborating with **Agile** teams to ensure timely feature delivery.
- Proficient in **Selenium WebDriver, TestNG, Eclipse, IntelliJ**, using **hybrid, data-driven, keyword-driven, Serenity and BDD** frameworks.
- Developed **BDD** test cases using **JBehave** within **Jira**, integrating them into automation for efficient validation.
- Hands-on experience with **GitHub, Azure Git, Azure pipelines, Jenkins, and AWS EC2** for automation builds and execution.
- Performed **MSSQL, MySQL database** testing and worked with AWS and client-server-based cloud technologies.
- Conducted **API** testing using **Postman** to ensure smooth integration and efficient data exchange.
- Developed expertise in testing HTTP methods to improve API functionality, response handling, and data manipulation.
- Used **GenAI** for **automation code** refactoring and **framework documentation**, enhancing maintainability and QA onboarding speed.
- Transformed business requirements into executable scripts using GenAI, aligning with acceptance criteria efficiently.
- Applied **GenAI to test planning, enhancing QA documentation, strategy design, and defect summaries**.
- Employed GenAI prompt engineering for log analysis, error pattern detection, and automated resolution suggestions.
- Experienced in **performance testing using JMeter** for load simulation, stress testing, and evaluating system performance.
- Conducted Load, Stress, Soak, Spike, and Scalability testing to validate application performance and stability.
- Used **OWASP ZAP for manual and automated security testing**, identifying vulnerabilities like XSS, SQL injection, CSRF.
- Performed **penetration** testing with **OWASP ZAP** including **fuzzing**, crawling, and full vulnerability scanning.
- Captured and analyzed API logs and responses to identify patterns and enhance reliability and performance.
- Skilled in translating business to technical requirements, using **Jira, Azure DevOps, and Confluence** for test management.
- Utilized **Jira AI Assistance** for user story creation, test case management, and status reporting.
- Tested **hybrid** apps on **Android, iOS, iPad**; **strong in STLC**, Agile, OS/browser compatibility, Smoke, Sanity, Regression and System testing, test planning, and problem-solving.

### SKILL SET

Core Competencies:	Technical Skills:
<ul style="list-style-type: none"><li>Web Automation &amp; Manual Testing</li></ul>	<ul style="list-style-type: none"><li><b>Programming Languages:</b> Java</li></ul>
<ul style="list-style-type: none"><li>API Testing (Postman)</li></ul>	<ul style="list-style-type: none"><li><b>Operating Systems:</b> Windows, Mac</li></ul>
<ul style="list-style-type: none"><li>Rest Assured</li></ul>	<ul style="list-style-type: none"><li><b>Cloud Technology:</b> AWS, Saviynt</li></ul>
<ul style="list-style-type: none"><li>Mobile Automation (Appium)</li></ul>	<ul style="list-style-type: none"><li><b>Database:</b> MySQL, Oracle, PostgreSQL, DBeaver</li></ul>
<ul style="list-style-type: none"><li>Test Planning &amp; Estimation</li></ul>	<ul style="list-style-type: none"><li><b>Web/UI Automation:</b> TestNG, Maven, Selenium IDE, Selenium RC, WebDriver, Selenium Grid, Quality Center, TFS, Microsoft Test</li></ul>

	Manager, Postman, Jenkins, RestAssured, Appium.
<ul style="list-style-type: none"> <li>Integration &amp; Regression Testing</li> </ul>	<ul style="list-style-type: none"> <li><b>API Testing:</b> Rest Assured, Postman</li> </ul>
<ul style="list-style-type: none"> <li>Agile &amp; Scrum Methodologies</li> </ul>	<ul style="list-style-type: none"> <li><b>Mobile Automation:</b> Appium</li> </ul>
<ul style="list-style-type: none"> <li>Defect Tracking &amp; Prevention</li> </ul>	<ul style="list-style-type: none"> <li><b>Automation Frameworks:</b> Data-Driven, Keyword-Driven, BDD (Cucumber), Serenity framework</li> </ul>
<ul style="list-style-type: none"> <li>Test Documentation &amp; Metrics</li> </ul>	<ul style="list-style-type: none"> <li><b>Version Management:</b> GitHub, TFS, Azure Git</li> </ul>
<ul style="list-style-type: none"> <li>Quality Assurance</li> </ul>	<ul style="list-style-type: none"> <li><b>Project Management Tools:</b> Jira, Azure DevOps</li> </ul>
<ul style="list-style-type: none"> <li>Selenium (Java)</li> </ul>	<ul style="list-style-type: none"> <li><b>IDEs:</b> Eclipse, IntelliJ, VS Code</li> </ul>
<ul style="list-style-type: none"> <li>STLC &amp; SDLC</li> </ul>	<ul style="list-style-type: none"> <li><b>MS-Suite:</b> MS Word, Excel, PowerPoint, Outlook</li> </ul>
<ul style="list-style-type: none"> <li>Microsoft Office Suite</li> </ul>	<ul style="list-style-type: none"> <li><b>Test Management Tools:</b> JIRA, TestRail, Zephyr, BitBucket, Confluence, Jmeter, Oswap, Browser stack, Pcloudy, DBEaver, Oracle, Postgrace</li> </ul>
<ul style="list-style-type: none"> <li>Script Maintainance</li> </ul>	<ul style="list-style-type: none"> <li><b>Integrated Development Environments (IDEs):</b> Visual Studio, Eclipse, IntelliJ</li> </ul>

## EDUCATION

Bachelor of Technology in Civil Engineering at JNTUK, India - 2016

## CERTIFICATION:

ISTQB Certified Tester – Advanced Level Test Automation Engineer (CTAL-TAE)

ISTQB Foundation Level Certification (CTFL)

AWS Certified Developer – Associate

Azure Administrator Associate

Lean Six Sigma – Certified White Belt

## PROFESSIONAL EXPERIENCE:

**Sr. Automation Test Engineer | State Farm | McKinney, TX**

**May 2025 - Present**

### Responsibilities:

- Actively engage in Agile ceremonies including sprint planning, daily stand-ups, backlog refinement, and retrospectives, contributing to requirement analysis and testing strategy discussions.
- Actively engage in Agile ceremonies such as sprint planning, daily stand-ups, backlog refinement, and retrospectives, contributing to requirement analysis, testing strategy, and continuous improvement initiatives.
- Collaborate closely with cross-functional teams to analyze requirements and define comprehensive test strategies aligned with sprint goals.
- Design and maintain detailed test plans and test cases addressing both functional and non-functional requirements across all development stages.
- Maintain and enhance a robust, data-driven automation framework using the Page Object Model (POM) and Apache POI for dynamic Excel-based test data handling.
- Execute various levels of testing including system, regression, UAT, smoke, and exploratory testing, ensuring complete and accurate test documentation.
- Integrate automated test suites into CI/CD pipelines using Maven and Jenkins to support continuous testing and rapid feedback loops.
- Develop and optimize scalable Selenium-based automation frameworks using Java, TestNG, and Eclipse to ensure long-term maintainability and performance.
- Design and implement a cross-platform mobile automation framework using Appium to validate Android and iOS applications.
- Leverage BrowserStack for remote, cloud-based, cross-device test execution to ensure wide compatibility and device coverage.

- Utilize Cucumber BDD framework with Gherkin syntax to enhance test readability, collaboration, and reusability of automation scripts.
- Conduct thorough API and backend testing using Postman, SQL queries, and Java libraries to ensure data accuracy and service reliability.

**Environment:** Java, Selenium WebDriver, Serenity BDD, Appium, IOS, Android, JIRA, Zephyr, Cucumber, Agile, IntelliJ, Maven, Jenkins, CI/CD, Jenkins, Git, BDD, Browser Stack, DBEaver.

**Senior Software Engineer – QA | Helius Compu-tech Pvt Ltd – Hyderabad**  
**Client/Project : CVS (Irving, TX)**

**Nov 2024 – Apr 2025**

**Responsibilities:**

- Developed Test Plans and Manual Test cases using Jira and Jbehave
- Created test plans and manual cases using JIRA and JBehave.
- Built and maintained Selenium, TestNG, and Maven automation framework.
- Developed Appium mobile automation for Android/iOS using BrowserStack and Pcloudy.
- Managed Azure CI/CD pipeline for automated test executions.
- Designed scalable cross-platform framework for native and hybrid mobile apps.
- Configured multi-device support using Appium desired capabilities.
- Improved existing automation scripts for better test coverage and efficiency.
- Installed builds in QA and validated basic application functionality.
- Participated in Agile sprints, planning, reviews, and bug triage meetings.
- Conducted DB testing, wrote test data, and tracked progress in JIRA.

**Environment:** Java, Selenium WebDriver, Serenity BDD, Appium, emulator, simulator, IOS, Android, JIRA, Zephyr, Cucumber, Agile, IntelliJ, Maven, Jenkins, CI/CD, Jenkins, Git, BDD, Browser Stack, DBEaver, Saviynt.

**Senior Software Engineer – QA | Staffice Global Pvt Ltd – Chennai**  
**Client/Project: Anthem (Plano, TX)**

**Sep 2023 – Aug 2024**

**Responsibilities:**

- Led and supervised a team of six QA testers, overseeing the end-to-end testing process for complex hybrid mobile and web applications, while ensuring deadlines were met and quality standards upheld.
- Led six-member QA team; managed testing for hybrid mobile/web apps and met deadlines.
- Built scalable BDD automation frameworks using Selenium WebDriver and TestNG for better team collaboration.
- Developed REST API test scripts using Rest Assured to ensure consistent frontend-backend behavior.
- Tested mobile apps on real devices via BrowserStack for cross-browser and cross-platform compatibility.
- Authored test plans and manual test cases from documentation and stakeholder input for full coverage.
- Created test scenarios from specifications; executed manual tests across UI and backend modules.
- Automated BDD scenarios using Selenium, TestNG, and IntelliJ to reduce manual efforts.
- Integrated Maven and Jenkins for CI; scheduled parallel test executions and reporting.
- Refactored automation scripts to boost execution speed, efficiency, and reusability.
- Performed API testing using Swagger/Postman to verify ERP system integration and data flow.
- Deployed and validated builds in QA environments to detect and fix environment-related issues early.
- Built UiPath attended bots to automate Excel and web form data entry tasks.
- Fixed memory issues through log analysis and config updates, enhancing automation stability.
- Participated in Agile meetings, sprint planning, and defect triage to ensure team alignment.
- Used JIRA to manage user stories, test tasks, and bugs for clear tracking.

**Environment:** Selenium, Microservices, Sarinity framework, Agile, UiPath, JUnit, Zephyr, Java, Angular, MS SQL, Azure Devops, Git, Maven, TestNG, Jenkins, CI/CD, Confluence, BDD Cucumber, Jmeter.

**Senior Software Quality Engineer | Inovalon India Pvt Ltd – Hyderabad**

**Mar 2023 – Aug 2023**

**Client/Project: Scriptmed (Bowie, MD)****Responsibilities:**

- Reviewed functional specifications, business requirements, and user stories; actively participated in sprint planning, daily stand-ups, and other Scrum ceremonies
- Participated in sprint planning, daily stand-ups, and reviewed requirements for complete coverage.
- Created and executed end-to-end test cases in Agile development environments.
- Implemented data-driven POM framework; used Apache POI to manage Excel test data.
- Conducted system, UAT, regression, smoke, and ad-hoc testing with detailed reports.
- Used Maven for dependency management and Jenkins for CI and scheduled automation runs.
- Built robust Selenium framework using Java, Eclipse, TestNG, and Apache POI.
- Developed BDD automation using Cucumber; authored feature files and step definitions.
- Performed parallel test execution using TestNG; optimized test suite efficiency.
- Conducted API testing with Postman and HTTP libraries; validated service functionality.
- Wrote complex SQL queries using JDBC for backend data validation and integrity checks.

**Environment:** IntelliJ, API testing, Postman and Swagger

**Senior QA Associate | Freyr Software Services – Hyderabad****Feb 2021 – Feb 2023****Client/Project : KonnectCo (Princeton, NJ)****Responsibilities:**

- Developed detailed Test Plans, Test Scenarios, Test Cases, Test Scripts, and Test Data from functional requirements, both at the application level and for database-level verifications
- Developed test plans, cases, and scripts from functional and database-level requirements.
- Reviewed documentation and backlog items to ensure comprehensive test coverage and accuracy.
- Participated in Agile ceremonies: Scrum, Planning, Reviews, Retrospectives, Grooming, and Release sessions.
- Automated tests using Selenium, Java, TestNG, Maven, IntelliJ, Eclipse, and Log4j.
- Built POM and data-driven frameworks to improve test coverage and code reusability.
- Performed API testing using Postman for REST services and response validation.
- Used Jenkins for CI/CD, TestNG reports, Maven builds, and captured screenshots for debugging.
- Utilized JIRA, Git, and SQL; supported UAT, defect resolution, and offshore collaboration.

**Environment:**Java, Selenium WebDriver, TestNG, JSON, DOM, Postman, TFS, Agile, Internet Explorer, Chrome, Firefox, SQL, Jira, Microsoft Azure,Osmap

**Automation Test Engineer | Unilog Content Solutions – Mysore****Aug 2016 – Nov 2020****Project/Client : Texas Plumbing Supply (Austin, TX)****Responsibilities:**

- Designed end-to-end test scenarios for B2B/B2C eCommerce platforms and workflows.
- Performed API testing using Postman for catalog, inventory, pricing, and orders.
- Created Selenium/TestNG automation scripts for cross-browser regression and smoke testing.
- Built frameworks with TestNG, Cucumber, POM, and API Rest Assured testing.
- Conducted manual testing for UI/UX, browser compatibility, and edge case detection.
- Validated ERP/API integrations, microservices on AWS, and CI/CD pipelines via Jenkins.

**Environment:** Selenium WebDriver, Eclipse, Postman,ERP, Java, TestNG,SQL, Jira, Jenkins, GIT,Maven,TestNG,TestRail,RestAssured.