

**Professional Summary:**

Detail-oriented QA Engineer with 3.6 years of experience in end-to-end manual and automated testing across web, API, and backend systems. Hands-on expertise in **Java-based test automation** using **Selenium WebDriver**, **Cucumber (BDD)**, and **REST-assured** for functional and API validation. Proficient in building and executing test scripts, writing test plans, and maintaining test data using **SQL**. Skilled in Agile Scrum, CI/CD pipelines, and collaboration across Dev, UAT, and product teams. Strong knowledge of **GitHub**, **Bitbucket**, **Jenkins**, **JIRA**, and cloud-based testing awareness. Experienced in both black-box and white-box testing with a focus on quality, traceability, and production-readiness.

**Technical Skills:**

- **Languages & Frameworks:** Java, Spring, Cucumber (BDD), TestNG, Shell scripting (basic)
- **Test Automation:** Selenium WebDriver, REST-assured, Postman, SOAP UI
- **Test Management:** JIRA, Confluence, Excel, Requirement-based Test Case Design
- **Build & CI/CD:** Maven, Jenkins, Git, GitHub, Bitbucket
- **Database & Data Validation:** SQL, MySQL (test data setup and validation), Azure
- **Testing Types:** Functional Testing, Regression, API Testing, UI Testing, Black-box Testing, UAT Support
- **Agile/DevOps:** Scrum, Sprint Planning, Defect Triage, Continuous Integration
- **Cloud & Web Services:** Familiarity with AWS, REST and SOAP-based service validation
- **Soft Skills:** Analytical thinking, root cause troubleshooting, problem solving, team collaboration, teamwork.

**Professional Experience:****Tata Consultancy Services, Hyderabad, India****Sept 2019 – Aug 2022****Client: Citigroup, Role: QA Engineer**

- Designed and executed manual and automated test scripts for React-based web apps and REST APIs using **Java**, **Selenium WebDriver**, and **Cucumber (BDD)** framework.
- Developed modular test cases aligned with business **use cases**, created test plans, and defined data requirements using **SQL**.
- Built and maintained **REST-assured** scripts for verifying API endpoints (status codes, payload validation, schema checks).
- Logged, tracked, and closed defects using **JIRA**, collaborated with developers and business analysts during triage.
- Implemented test workflows in **CI/CD pipelines using GitHub and Jenkins**, ensuring automated runs were triggered.
- Coordinated closely with UAT and release teams for build validation, release sign-offs, and stakeholder-level **test metrics**.
- Followed **TDD and BDD** principles to drive early automation and improve shift-left quality during sprint cycles.
- Conducted root cause analysis of critical bugs in staging and production environments using application logs, SQL queries.
- Performed **UI validation and black-box testing** across multiple browsers (Chrome, Firefox, Edge) and screen sizes.
- Created custom utility methods in Java for reusable test components, increasing framework scalability.
- Wrote and optimized SQL scripts for test data setup and conditioning, improving test preparation time by 40%.
- Maintained clean and traceable test documentation in **Confluence**, and helped onboard junior QA members on Selenium, Git, and JIRA workflows.
- Validated **REST and SOAP-based web services**, including headers, cookies, authentication flows, and error responses.
- Participated in **code review** sessions for QA script branches, and ensured script quality, modularity, and naming conventions.
- Proactively raised blockers in sprint standups, mitigated test delays by introducing temporary mocks for unstable APIs.
- Led efforts to enhance reporting structure using ExtentReports and custom listeners, enabling clearer defect correlation from Jenkins builds.

**Key Result:** Automated 80% of regression test cases, implemented robust API and UI coverage, and consistently delivered high-quality UAT-ready builds across 10+ major releases.

**Qspiders, Chennai, India****Jun 2019 – Aug 2019****Software Testing Associate**

- Built regression test scripts using Selenium WebDriver and Java following POM design principles.
- Executed manual and automated tests for web and API interfaces to ensure consistent functionality and performance.

**Shiash Info Solutions, Chennai, India****Jan 2019 – Apr 2019****Assistant System Trainee**

- Executed functional and integration testing of web platforms and backend workflows.
- Simulated API-to-UI communication flows, validating data consistency and session handling across user actions.

**Education:**

- Master's in computer and information sciences (3.5/4.0), Concordia University, Mequon USA.