Birendra Mandal

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PROFESSIONAL SUMMARY

Results-oriented Automation Test Engineer with 5.4+ years of experience in designing, developing, and maintaining scalable test automation frameworks using Java, Selenium WebDriver, TestNG, Maven, and REST APIs. Proven expertise in Agile delivery, BDD frameworks (Cucumber), and API & UI test automation across insurance and banking domains. Adept at reducing manual effort through automation, improving test coverage, and accelerating release cycles. ISTQB Agile Certified and skilled in cross-functional collaboration, defect triage, and CI/CD integration with Jenkins.

TECHNICAL SKILLS

- Automation Tools: Selenium WebDriver, TestNG, JUnit, Cucumber, RestAssured.
- Languages: Java, SQL, XML, JSON
- Frameworks: Maven-based Data-Driven Framework, Page Object Model (POM), Hybrid Frameworks.
- Build & CI/CD: Maven, Jenkins.
- Version Control: Git, GitHub.
- Test Management: JIRA, HP Alm.
- Databases: MySQL, Oracle.
- Logging Reporting: Log4j, Extent Reports.
- Other: Agile/Scrum, SDLC, STLC, Regression Smoke Testing.

Education

Bachelor of Technology (B.Tech) - Electrical Engineering BP Poddar Institute of Management Technology, Kolkata   Aug 2019

- CGPA: 7.03/10

Experience

AutomationTestEngineer,OldMutual(OMSA),SouthAfrica(Client–viaTCS)   Jan2022–Present

- Developed a scalable, data-driven automation framework using Java, Selenium WebDriver, TestNG, and Maven, reducing regression execution time by 40%.
- Automated 500+ test cases for key insurance workflows, ensuring consistent test coverage across multiple releases.
- Integrated REST API validations using Postman & REST Assured with UI test flows to enable full end-to-end automation.
- Designed XML-based validation logic integrated with SQL DB assertions for backend consistency checks.
- Led knowledge transfer sessions for 10+ team members, improving automation adoption by 80% within the team. Participated in Agile sprint ceremonies, collaborated with BAs and developers for continuous test feedback.
- Executed automation suites on Jenkins pipeline, contributing to CI/CD implementation.

AutomationTestEngineer,LloydsBankingGroup(Client–viaTCS,USAProject)   Feb2020–Jan2022

- Created a hybrid test automation framework (POM + Data-driven) using Java, Selenium, JUnit, and Maven.
- Automated 200+ functional and regression scenarios for investment and insurance modules.
- Performed manual and automation testing of RESTful services using Postman and backend DB validations.
- Validated complex XML data structures mapped to UI and DB, ensuring accuracy of insurance data flows.

- Actively supported defect triage meetings and reduced defect leakage by 30% in QA environments.

CERTIFICATIONS

- ISTQB Agile Tester Foundation Level.
- Selenium WebDriver with Java – Udemy.

ACCOMPLISHMENTS

- Reduced manual test effort by 65% through automation of high-volume test cases across 2 enterprise projects.
- Recognized by TCS client teams for timely delivery of automation suites under tight Agile sprint timelines.
- Successfully mentored junior team members on test automation practices and framework reuse.