Anit Kaur

QA AUTOMATION ENGINEER - Selenium, API Testing & CI/CD Pipelines

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PROFESSIONAL SUMMARY

QA Automation Engineer with 4 years of experience testing Web, Windows, and Mobile applications. Specializedin Black Box, Functional, Regression, and API Testing. Automated end-to-end scenarios using Selenium, TestNG,and Cucumber, reducing manual effort by 40%. Built BDD test frameworks with Maven, enabling reusable testcomponents. Executed over 1,200 test cases mapped to RTM, improving defect traceability by 30%. IntegratedREST Assured for automated API testing, increasing coverage by 25%. Liaised in SQL-based Backend Testing, Gitversioning, and test management tools including JIRA, ALM, and Zephyr. Active Scrum participant contributing tosprint deliverables and retrospectives.

SKILLS

- **Test Automation Tools**: Selenium WebDriver, QTP/UFT, Selenium IDE, Hybrid frameworks (POM, BDD).
- **Languages**: Java, JavaScript, HTML, Gherkin, JUnit, TestNG, Cucumber, TDD and behavior-driven scripting.
- **DevOps Tools**: Jenkins, Maven, Git, GitHub, CI/CD pipelines with automation for optimized test cycles.
- **Testing**: Postman, Rest-Assured; strong in cross-browser testing, regression analysis, and system integration.
- **Database**: SQL Server, MySQL, Oracle; and OS environments including Windows, MacOS, Android, iOS.

WORK EXPERIENCE

QA Automation Analyst **January 2023 – March 2024**
Confidential Project – Online Marketplace Platform *Ontario*

- Developed robust automation scripts using Java, TestNG, and Selenium WebDriver in Eclipse IDE, incorporating XPath, Maven, and Exception Handling to increase defect detection rate by 42% with optimized coverage.
- Created scalable automation framework using POM architecture and implemented Jenkins CI with Git, Log4j, and JUnit, reducing manual testing time by 60% and improving regression suite execution turnaround by 35%.
- Designed cross-browser test automation with TestNG, Selenium Grid, Docker, and ExtentReports, executing over 800 test cases weekly across Chrome, and Safari, improving compatibility verification accuracy by 38%.
- Integrated BDD framework with Cucumber, Gherkin syntax, JUnit, and Allure Reports, automating user story validations and increasing sprint-level requirement traceability by 41% through streamlined step definitions.
- Conducted backend testing using SQL queries, PostgreSQL, Database Triggers, and DataGrip; validated transactional data across systems, identifying and resolving 17 data integrity defects during end-to-end testing phases.
- Automated API testing using REST Assured, Postman, JSON, Swagger, OAuth2, Maven, Mock Server, and CI/CD pipelines, advised over 300 endpoints with payloads and boosted service layer reliability checks by 44%.
- Designed Apache POI, DataProvider, TestNG, and Selenium-based frameworks for data injection into test scripts from Excel files, enabling parameterization and covering edge cases, increasing input dataset coverage by 57%.
- Executed mobile app testing on Android devices via Appium, ADB, UIAutomator, and App Package; arranged both native and hybrid app workflows, logging 26 device-specific defects pre-release to reduce post-launch issues.
- Performed UI validations across modules by identifying locators using XPath, CSS, ID, DOM analysis, Selenium Inspector, ChroPath, HTML5, and ARIA tags, achieving a 93% defect capture rate for inconsistencies in layout.
- Created and updated Requirement Traceability Matrix for 100+ user stories using JIRA, TestRail, and version control, ensuring test case alignment and improving traceability accuracy for audit and release cycles by 48%.
- Leveraged Zephyr, JIRA, CI/CD, and Agile methodology for test case management and defect lifecycle tracking, reducing average bug turnaround time by 28% through consistent issue triaging and prioritization efforts.
- Led defect triage meetings with developers, logging and assigning 50+ issues monthly, resulting in an accelerated resolution process, test execution cycle compression by 22% through Agile sprint planning and root cause analysis.
- Documented and executed UAT test scenarios based on real-world workflows, ensuring system validation from end-user perspectives, feedback analysis, and regression testing, reducing post-production feedback by 31%.
- Generated automation test suites covering functional, integration, and regression testing using hybrid frameworks and Continuous Integration, enhancing execution efficiency, code coverage, and lowering false positives by 36%.
- Produced comprehensive test summary reports and articulated defect trends to QA lead and stakeholders, enabling data-driven resolution of critical defects and minimizing production leakages by 25% across all releases.

EDUCATION

Post Graduate Diploma in Wireless Information Networking January 2018 – December 2019
Fleming college, Ontario

Master of Technology in Computer Science Engineering July 2012 – May 2016
Gurukul vidyapeeth institute of engineering and technology, India

Bachelor of Technology in Computer Science Engineering July 2008 – May 2012
Indo global Colleges, India