### **QUALITY ASSURANCE ENGINEER (MANUAL + AUTOMATION)**

### **PROFESSIONAL SUMMARY**

* Accomplished Quality Assurance Engineer with 5 years of progressive experience in manual and automation testing, specializing in designing scalable QA frameworks and implementing continuous testing strategies across multi-tier enterprise systems.
* Built and maintained comprehensive automation frameworks using Selenium, Playwright, Cypress, and REST Assured, ensuring full coverage across UI, API, and integration layers.
* Implemented end-to-end testing workflows integrated into CI/CD pipelines using Jenkins, GitHub Actions, and Azure DevOps to enhance release quality and accelerate delivery cycles.
* Automated RESTful and GraphQL API testing using Postman and REST Assured, validating authentication, payloads, and contract compliance.
* Developed reusable automation components and libraries that minimized redundancy, increased test maintainability, and improved regression efficiency.
* Validated data integrity and transformation logic across MySQL, PostgreSQL, and MongoDB, ensuring accurate backend and frontend synchronization.
* Utilized containerized testing environments with Docker and Kubernetes, promoting stable, isolated test execution and reducing environment drift.
* Adopted Behavior Driven Development (BDD) with Cucumber and Gherkin, enhancing collaboration between QA, developers, and product teams.
* Collaborated with DevOps teams to integrate automated test triggers, gating rules, and result dashboards into CI/CD workflows.
* Performed performance and load testing using JMeter and k6, ensuring reliability and scalability of web services under varying load conditions.
* Configured cloud-based QA environments in AWS and Azure, leveraging EC2, S3, and Azure Pipelines for environment management and execution.
* Created detailed QA documentation including test plans, cases, strategy reports, and requirement traceability matrices aligned with Agile principles.
* Enhanced release readiness by establishing test data management strategies and automated validation scripts for build verification.
* Implemented defect triage processes with development teams, improving defect turnaround and release predictability.
* Mentored junior QA engineers on automation best practices, coding standards, and framework maintenance for long-term sustainability.

**Technical skills**

| **Category** | **Skills / Technologies** |
| --- | --- |
| **Test Automation Tools** | Selenium WebDriver, Playwright, Cypress, REST Assured, Postman, k6, JMeter |
| **Programming Languages** | Java, JavaScript (Implied for Cypress), SQL |
| **CI/CD & DevOps** | Jenkins, GitHub Actions, Azure DevOps, Docker, Kubernetes, Git, Newman CLI, CloudWatch |
| **Cloud Platforms** | AWS (EC2, S3, ECS, CloudWatch), Microsoft Azure (Azure Pipelines) |
| **Databases & Messaging** | MySQL, PostgreSQL, MongoDB, SQL Server, Kafka |
| **Automation Frameworks** | TestNG, Cucumber, Gherkin, Page Object Model (POM) |
| **Testing Concepts & Methodologies** | Manual Testing, Automation Testing, BDD (Behavior Driven Development), API Testing (RESTful/GraphQL), UI Testing, Performance/Load Testing, Cross-Browser Testing, Data Validation, Defect Triage, Agile |
| **Reporting & Quality** | Allure Reports, Mochawesome, BrowserStack, JIRA, Azure Dashboards, Git (Code Review/Merge Policies) |

### **PROFESSIONAL EXPERIENCE**

#### **Client:**

**Role: QA Automation Engineer**    
**Environment:** AWS, Java, Selenium, Playwright, TestNG, Jenkins, Docker, REST Assured, Postman, MySQL, GitHub Actions, Agile

**Responsibilities:**

* Architected and maintained a hybrid automation framework using Selenium and Playwright to streamline UI regression and end-to-end validation for web-based applications.
* Integrated automation pipelines into GitHub Actions and Jenkins, automating test execution during nightly builds and release cycles.
* Developed REST API automation suites using REST Assured with dynamic token authentication and parameterized payload structures.
* Configured and executed automation tests in containerized environments using Docker, ensuring identical runtime configurations across builds.
* Implemented reusable POM-based components in Java, enabling scalable automation maintenance and test modularity.
* Collaborated with developers to define clear acceptance criteria and build verifiable test conditions for new user stories.
* Validated database interactions on MySQL by executing backend queries to confirm data consistency and integrity across services.
* Developed Allure-based reports integrated with Jenkins for real-time visualization of test execution and defect distribution.
* Executed cross-browser and device testing using BrowserStack, ensuring visual and functional consistency.
* Deployed automation containers on AWS ECS clusters, enabling distributed parallel execution of test suites.
* Collaborated with product teams in Agile sprints to identify automation candidates and reduce manual regression workload.
* Analyzed and debugged test failures by reviewing logs, screenshots, and application telemetry captured through CloudWatch.
* Implemented version-controlled automation repositories in Git with strict code review and merge policies for maintainability.
* Automated environment validation scripts ensuring system readiness before deployment cycles.
* Led QA initiatives to integrate static code checks and automated linting within the test development process.

#### **Client:**

**Role: QA Engineer (Manual + Automation)**    
**Environment:** Azure, Cypress, JavaScript, Postman, Jenkins, MongoDB, Azure DevOps, Kafka, Cucumber, Agile

**Responsibilities:**

* Developed end-to-end automation scripts using Cypress integrated with Azure DevOps pipelines, supporting rapid regression testing for web applications.
* Designed BDD test scenarios using Cucumber and Gherkin syntax, enabling business-readable test documentation across QA and product teams.
* Executed manual and automated test cycles aligned with sprint deliverables and feature releases to ensure functionality coverage.
* Automated RESTful API validation using Postman collections and executed via Newman CLI for continuous integration testing.
* Validated asynchronous messaging between services through Kafka consumer and producer event monitoring.
* Performed data validation and CRUD operation tests on MongoDB, ensuring schema correctness and persistence reliability.
* Collaborated with DevOps engineers to embed automated tests into Azure pipelines, triggering builds on commit and pull requests.
* Executed compatibility testing across browsers using BrowserStack, identifying layout issues and UI inconsistencies.
* Maintained a structured test case repository in Azure DevOps, mapping test cases to business requirements for complete traceability.
* Tracked and reported defects using JIRA, including detailed root cause analysis and reproduction steps for efficient resolution.
* Participated in Agile sprint ceremonies, contributing QA inputs to user story refinement and sprint retrospectives.
* Prepared regression test suites and executed continuous validation cycles before production releases.
* Configured reusable configuration files and global environment variables to streamline Cypress test management.
* Implemented automated reporting through Mochawesome and integrated results into Azure dashboards for team visibility.
* Provided cross-team QA knowledge sessions, ensuring consistent automation practices and project quality alignment.

#### **Client:**

**Role: QA Analyst (Manual)**  
**Environment:** Java, Selenium, TestNG, SQL Server, Git, JIRA, Agile

**Responsibilities:**

* Created comprehensive test plans, scenarios, and data sets aligned with product requirements and business specifications.
* Performed manual functional, regression, and integration testing for multi-module applications across test environments.
* Supported automation script creation using Selenium WebDriver and TestNG, enhancing coverage for repetitive smoke scenarios.
* Validated backend transactions and data consistency through complex SQL queries and stored procedures.
* Tracked defects in JIRA and collaborated with developers for triage, prioritization, and verification of issue resolutions.
* Participated in sprint planning meetings to ensure QA deliverables were scoped, estimated, and achievable within sprint cycles.
* Conducted sanity and regression testing for every release to maintain production stability.
* Assisted in automation framework configuration and parameterization of reusable test scripts.
* Monitored test execution logs and prepared detailed bug summary reports for stakeholder review.
* Validated UI rendering across browsers ensuring consistent end-user experience and functional parity.
* Maintained traceability matrices mapping requirements to test coverage and results for audit compliance.
* Collaborated with environment teams to prepare builds and configurations for QA testing cycles.
* Performed post-deployment verification to validate successful production rollouts.
* Documented test findings, improvement suggestions, and process enhancement recommendations for future releases.