

Hira Wahid, Test Automation Engineer | Certified Tester

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LINKS

[Github](#), [LinkedIn](#)

PROFILE

Senior QA Engineer and ISTQB Certified tester with experience in testing and automation. Skilled in Java, JavaScript, MySQL, PostgreSQL, and testing tools like Selenium, Cypress, Postman, JSON, RestAssured, Runscope, Kibana, Git, Jenkins, Kafka, Redis, JUnit, TestNg and Gatling. Experienced in CI/CD, web UI and API testing, and collaborating with technical and non-technical stakeholders.

EMPLOYMENT HISTORY

Jun 2022 — Present

QA Specialist, Almosafer

- Automated API testing for customer-facing products using RestAssured with Java, achieving 80% test coverage.
- Automated Kafka and Redis verifications in automation suites.
- Achieved 90% validation coverage on elements of JSON-based API responses, including schema validations, ensuring data integrity and accuracy.
- Implemented end-to-end UI test cases using Selenium, Java, and TestNG for automated testing Front-end verification.
- Managed, planned, designed, implemented, and executed test cases for online travel and customer-facing web applications.
- Managed code updates by pushing changes to Git and retrieving the latest versions for seamless integration and collaboration.
- Integrated testing jobs into CI jobs using Jenkins for automated validation.
- Participated in daily stand-ups for project updates and followed Agile methodologies for sprint planning, grooming, and retrospectives.
- Conducted performance testing of web applications using Gatling, monitored performance metrics through Grafana, identified response time latencies, and optimized time to results for improved performance.
- Performed manual testing of end-to-end API flows using Postman and created comprehensive collections for streamlined testing.
- Identified, documented, and reported bugs to ensure application quality and stability.
- Implemented Runscope scripts to monitor API performance in production environments, improving the timely reporting of production downtime and enabling stakeholders to take prompt resolution actions.

EDUCATION

Aug 2010 — Jun 2014

Bachelors of Software Engineering, National University of Sciences and Technology

LANGUAGES

English

CERTIFICATIONS

ISTQB Certified Tester

Certification Id: 25-118334

Jan 2022

Cypress -Modern Automation Testing from Scratch + Frameworks, Udemy

Dec 2022

JAVA Fundamentals, Udemy

Dec 2021

Jenkins, DevOps, Udemy

API Automation with RestAssured and JAVA

- Performed end-to-end testing of API flows, covering positive and negative scenarios.
- Verified database accuracy and integrity.
- Created and maintained regression test suites.
- Managed Git pull requests (PR) and Jenkins testing jobs for Staging, and Production environments.
- Tested various PoS and payment methods for accuracy and reliability.
- Performed schema and response verification, developed automation scripts to generate random numbers, and wrote tests to validate response JSON payloads.
- Tested Kafka-based asynchronous systems and validated responses from various Kafka messages to ensure reliable message processing and system functionality.
- Conducted automated Redis verification to ensure data integrity and optimal performance of caching operations.

Automation with Selenium and JAVA

- Automated user interface flows for the Configuration server to ensure smooth functionality and efficient validation of configuration settings.
- Used the Page Object Model to store and maintain page wise locators.
- Used JUnit to write and execute automated tests.
- Webdriver manager was used to invoke the suitable browser.
- Allure reports were integrated for efficient reporting of test results.

Performance Testing with Gatling

- Enhanced performance testing scripts for end-to-end API flows to improve accuracy, coverage, and efficiency in assessing system performance under various conditions.
- Replicated production-like load to simulate real-world traffic and assess system performance under realistic conditions.
- Grafana used to monitor state.
- Performed bench-marking of response times and time to first search result to determine the maximum and optimal limits of the system's performance.
- Added Kafka and Redis verification to check if data is inserted and retrieved properly.

Automated End to End Test Cases with Cypress

- Utilized the Page Object Model (POM) design pattern to store and access locators, improving code maintainability and reusability in automated UI testing.
- Developed python scripts to invoke from Cypress to verify the back-end tasks including database.
- Integrated the testing framework into CI by implementing a Docker-based solution for Cypress.

Automation of AVAYA CM with pExpect and Python

- Automated command execution of legacy AVAYA CM with pexpect.
- Pexpect script was used as part of UI automation flow to perform commands on back-end system.