

MAHMOOD SHAH

US Citizen

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SKILLS

Programming Language:	Java, C#, SQL, VBScript, Groovy, HTML, CSS, XML, JSON, Gherkin
Testing Tools:	Selenium WebDriver, Selenium Grid, Jira, HP ALM, Trello, Postman, SoapUI, Cucumber, Cypress, Playwright, Karate API, Rest Assured Library, Virtual Machine, QTP, Bitbucket, GitHub, GitLab, Windows, Mac OS, Linux, JDBC, Maven, Git, Spring Boot
Database:	DB2, Mainframe, Oracle, MS SQL Server, MongoDB, MySQL, PostgreSQL
CI/CD:	Jenkins, Atlassian Bamboo, GitLab CI
Framework:	Page Object Model, Keyword Driven, Data Driven, BDD, Cucumber, Gherkin, TestNG, JUnit, log4j, NUnit
Technical Skills:	AWS (Amazon Web Services), CloudFormation, EC2, S3, RDS, IAM, VPC, CloudWatch

SUMMARY

- Dynamic and skilled QA Engineer with over 8 years of experience, demonstrating expertise in various aspects of testing, including automation, analysis, design, development, and production support and leveraging a diverse range of functional and technical expertise, and excelling in team-oriented environments.
- Experience in developing automation frameworks using a combination of Java, C#, Maven, Cucumber, Karate API, Jenkins, TestNG, JUnit, SQL and Maven, enabling streamlined and efficient test automation processes.
- Skilled in performing comprehensive web service testing using tools like Postman, SoapUI, RestAssured, Karate API, and Swagger API, with a deep understanding of RESTful API testing concepts, contract validation, request/response handling, and data-driven testing techniques. Well-versed in validating API response codes, headers, and payloads, and conducting end-to-end testing for web services.
- Extensive experience in building scalable and maintainable automation frameworks using Selenium WebDriver, Java, C# and various testing frameworks like JUnit and TestNG. Proficient in designing and executing test cases and test suites for functional, integration, and regression testing to ensure maximum coverage and reliability of software products.
- Expertise in cross-validating UI and API components against databases, employing SQL queries to perform database testing, data validation, and ensuring data integrity across

multiple systems and applications. Skilled in identifying and resolving data discrepancies and defects to maintain the reliability and accuracy of software systems.

- Skilled in utilizing Cucumber for behavior-driven test development and JIRA for efficient test case management, defect tracking, and reporting. Experienced in creating feature files, defining step definitions, and generating comprehensive test execution reports using Cucumber and related plugins.
- Proficient in tracking QA progress, effort estimation, and defect management using JIRA, ensuring seamless communication and collaboration with cross-functional teams. Experienced in creating and executing regression tests based on critical defects and providing timely feedback to drive software stability and quality.
- Expertise in utilizing C# and Selenium to design, develop, and execute comprehensive automated test frameworks.
- Proficient in implementing Jenkins CI/CD pipelines, configuring build jobs, automating test execution, and integrating with version control systems like Git and build tools like Maven.
- Experienced in setting up smoke tests, daily test runs, and automated triggers to support continuous integration and delivery practices, ensuring efficient and reliable releases.
- Dedicated to staying updated with emerging technologies, industry best practices, and quality assurance trends. Proven ability to thrive in fast-paced environments, adapt to evolving requirements, and contribute to the success of projects. Passionate about delivering high-quality software solutions and continually improving testing processes.

EXPERIENCE

Client: Elevance Health – Washington, DC(Remote)

Title: Sr. Software Engineer

Period: June 2020 - Present

Responsibilities:

- Collaborated closely with Product Owners, Scrum Masters, and Project Managers to plan, track, and deliver Sprint commitments and deliverables.
- Developed and maintained automated test using Java, Selenium WebDriver, C#, TestNG, Karate API, Grid, Maven, and Cucumber BDD frameworks to automate and validate UI & API Scenarios
- Enhanced test automation frameworks by implementing advanced synchronization techniques with explicit and implicit waits, addressing timing issues and ensuring precise test execution.
- Utilized C# and Selenium to create automated test scripts for web applications.
- Conducted rigorous UI component testing, pop-up testing, and browser navigation testing using Selenium WebDriver and TestNG assertions, validating functionality and user experience.
- Design, develop, and execute automated test scripts using Node.js, Typescript, and Playwright to ensure the quality and reliability of our software products.
- Applied object-oriented programming (OOPS) principles to Selenium, resulting in the creation of efficient and maintainable automated test scripts.
- Automated comprehensive API testing by leveraging Karate API and Postman, ensuring the accuracy and reliability of RESTful web services.

- Performed thorough testing activities including positive and negative testing, functional testing, performance testing, and regression testing, using powerful tools like Selenium GRID and TestNG to ensure cross-browser compatibility and parallel execution.
- Utilized Jenkins as a reliable scheduling and execution platform for running Smoke Suite and Regression Suites on a daily basis, facilitating continuous integration and testing coverage.
- Generated comprehensive and insightful test reports using Cucumber Reports, effectively communicating test results and progress to stakeholders and project teams.
- Maintained and updated automated test scripts and suites, ensuring meticulous documentation and traceability of testing activities for future reference and ongoing improvement efforts.
- Utilized SQL query techniques to cross-validate UI content and API responses against the database, ensuring that expected and actual results matched and data integrity was maintained.
- Collaborated with the development team to prioritize and triage defects, facilitating efficient defect resolution and ensuring a high-quality software product
- Generated comprehensive defect reports in Jira, including detailed descriptions, steps to reproduce, and supporting evidence, to aid in defect analysis and facilitate effective communication with stakeholders.
- expertise in utilizing C# and Selenium to design, develop, and execute comprehensive automated test frameworks.

Client: Verizon – Ashburn, VA

Title: QA Test Engineer

Period: Apr 2017- May 2020

Responsibilities:

- Developed scripts for functional and regression testing using Java, Selenium WebDriver, TestNG, C# and Cucumber. Significantly reduced manual testing efforts and enhanced overall efficiency.
- Implemented BDD (Behavior Driven Development) principles using Cucumber features, scenarios, and step definitions in Gherkin format. Ensured code reusability and maintainability of the test automation framework.
- Collaborated with the DevOps team to facilitate smooth build cycles and CI/CD processes. Employed Jenkins, GitHub, and Maven to enable seamless continuous integration.
- Automated Restful Web Services using Karate API libraries, ensuring seamless integration and comprehensive testing of APIs within the application.
- Integrated the automation framework into the CI/CD process using Jenkins. Enabled automatic execution of smoke and regression suites with each build, ensuring continuous testing.
- Utilized C# and Selenium to create automated test scripts for web applications.
- Engineered CI/CD pipelines utilizing AWS Code Pipeline and related tools, accelerating software delivery and enhancing the development lifecycle.
- Developed framework from the scratch for using Cypress to automate UI.
- Created feature files using Gherkin syntax and implemented them into step definitions. Facilitated clear and concise communication of test scenarios with the development team.

- Conducted manual testing by executing test cases for all modules prior to creating automated scripts. Ensured thorough testing coverage and early identification of potential issues.
- Performed rigorous regression testing for every modification in the application and with each new release. Guaranteed the application's stability and reliability.
- Collaborated closely with developers and product managers to gain a comprehensive understanding of system requirements, project limitations, capabilities, performance requirements, and interfaces. Ensured alignment of testing efforts with project goals.
- Accurately estimated, prioritized, planned, and coordinated testing activities. Ensured efficient use of time and resources, maximizing productivity.
- Created and tracked defects in JIRA, assigning them to the responsible individuals and diligently monitoring the resolution process. Ensured timely issue resolution and maintained a high-quality product.

Client: AAMC- Washington, DC

Title: QA Analyst

Period: Feb 2015 - Mar 2017

Responsibilities:

- Actively participated in weekly meetings with the QA and development teams, analyzing defects, reviewing project progress, and identifying opportunities for improvement.
- Conducted thorough analysis of user stories and actively participated in Agile ceremonies, including Sprint Planning, Review Sessions, and Scrum Meetings. Developed comprehensive Test Scenarios, Test Cases, Test Data, and Test Reports, ensuring meticulous test coverage.
- Performed cross-browser testing using various browsers and versions (e.g., Internet Explorer, Firefox, Google Chrome) to ensure seamless application compatibility across multiple platforms.
- Collaborated closely with development teams and product management to review and enhance test cases based on valuable feedback.
- Actively engaged in Daily Scrum, Sprint Grooming, Sprint Planning, and Sprint Retrospective meetings. Facilitated effective communication and seamless collaboration within the team.
- Designed and developed robust automated test scripts using Selenium WebDriver with TestNG, and C# enhancing them to adapt to changes in objects, targeted application UI, and testing environment.
- Conducted comprehensive functional testing, meticulously identifying critical areas within the application. Implemented automated scripts to ensure comprehensive test coverage.
- Conducted rigorous back-end testing, including database table manipulations of relational database systems. Utilized SQL queries and performed data validation to maintain data integrity.
- Developed and maintained detailed reports on test execution status, providing management with comprehensive visibility into the overall quality of the application.
- Conducted extensive research and provided recommendations for new tools, frameworks, and methodologies. Continuously sought opportunities to enhance the testing process and improve the overall product quality.

