SIDRA IQBAL

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# Professional Summary

* Over 6 years of hands-on experience in Software Quality Assurance (SQA) and the tech industry.
* Possess a strong understanding of the Software Development Life Cycle (SDLC), Agile methodologies, and various QA methodologies.
* Exhibit expertise in Quality Assurance and software testing activities.
* Experienced in Software Requirement Specifications analysis, Use Cases, and the development of Test Plans, Test Scripts, and Test Cases.
* Proficient in Developing and Executing Test Plans and Test Cases based on the Business Requirements Document, Functional Requirements, Use Cases, and User Stories.
* Possess both manual and automation testing experience across all phases of testing, including client/server, web/mobile applications, and API testing. Currently training to become proficient in Selenium Web Driver automation with Java.
* Well-versed in various Test Methodologies, including V model, Waterfall, Agile (SCRUM), and Continuous Integration (CI) environments.
* Hold comprehensive knowledge of the Software Development Life Cycle (SDLC) and Software Test Life Cycle (STLC).
* Proficient in preparing test plans, scripts, and test cases by analyzing Business Requirements and various other artifacts. Strong ability to collaborate closely with the Development team and Business Analysts to analyze test scenarios and work with Product Managers to refine requirements.
* Expertise in Selenium WebDriver Automation testing and various frameworks, including Page Objects, Hybrid Frameworks, Test-Driven Development (TDD), Behavior-Driven Development (BDD), and Web and Functional testing.
* Experienced in different phases of Software Testing and Software Development Life Cycle (SDLC), including Agile Methodology/SCRUM, Waterfall, and Test-Driven Development (TDD).
* Well-versed in working with open-source tools such as Selenium (Selenium IDE, Selenium RC, Selenium Web Driver, and Selenium Grid), Cucumber, JIRA, and Eclipse.
* Proficient in developing Test scenarios, Test cases, Test data, Test procedures, Test reports, and documenting both Manual and Automation Tests.
* Experienced in locating objects using XPath, id, name.
* Proficient in testing web services (SOAP, REST) using Postman and Rest API Tools.
* Extensive experience in various testing types, including Smoke, Functional, Integration, GUI, Regression, System, Compatibility, Acceptance, and Black Box Testing.
* An expert in building test automation frameworks using Selenium WebDriver, TestNG, BDD with Cucumber, Maven, and Page Factory for the Page Object Model (POM). Also, experienced in Jenkins.
* Proficient in configuring application frameworks by processing Excel spreadsheets using Apache POI.
* Skilled in writing SQL queries for Backend Testing.
* Possess excellent verbal and written communication skills and excel as a team player.
* Quick learner with the ability to grasp and apply new ideas, concepts, methods, and technologies easily.

# Skills

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| * **Methodologies:** Agile/Scrum, Agile SAFe, Waterfall, SDLC * **Test Frameworks:** Data Driven, Hybrid, Page Object Model * **Artifacts:** Test Strategy, Test Cases, Test Plan, RTM, Test Summary Report, Bug Report | * **Automation Tools:** Java, Selenium WebDriver, Maven, JUnit, TestNG, Cucumber, Git * **IDE:** Eclipse, Postman * **Databases:** MySQL Server, MySQL, Oracle, MS Access. MS Office Tools: Excel, Outlook, PowerPoint, and Word. * **Operating Systems:** Windows, Mac OS |

**Experience**

* **Bug Tracking Tools:** JIRA-Zapier, HP ALM, MS Azure

## QA Engineer

**United States Department of Veterans Affairs** － Washington, D.C.

Sep 2021 to Current

* + Developed and designed test plans, test scenarios, and test cases, encompassing both functional and regression tests.
  + Collaborated closely with team members, business analysts, support teams, and software developers to ensure the delivery of high-quality products in a timely and cost-effective manner.
  + Successfully executed manual functional tests to validate web-based enterprise software solutions, focusing on data integrity, security, and overall usability.
  + Created, maintained, and executed comprehensive test plans and test cases across our hardware and software platforms, guided by an analysis of the requirements, user stories, user cases, and technical design specifications.
  + Devised test strategies aligned with project scope and delivery dates.
  + Efficiently monitored and tracked the resolution of system defects in a timely fashion.
  + Accurately and clearly documented system defects.
  + Engaged in established test processes and methodologies.
  + Formulated end-to-end test scenarios based on system requirements, processes, and user stories.
  + Executed end-to-end tests and conducted exploratory testing.
  + Implemented a Behavior-Driven Development (BDD) framework using Cucumber, creating step definitions and feature files using Gherkin.
  + Developed a Test Framework in Selenium for UI Regression Test Automation and, when necessary, potentially executed Unit Test automation in Java.
  + Automated scripts based on manual test cases for regression testing, following the requirement documents using Selenium Web Driver.
  + Utilized data-driven testing with cucumber data tables in feature files.
  + Prepared test data to interpret positive/negative regression results based on design documents.
  + Documented plans and guidelines to support 508 testing activities.
  + Conducted 508 compliant verification testing and reviewed technical software requirements.

**QA Tester** Nov 2019 to Aug 2021

**United States Department of the Interior** － Washington, D.C.

* + Participated in Test Requirement sessions and engaged with Lead Business users and Business Analysts to gather Business Test requirements.
  + Collaborated with the Technical team and Product owner to gain insights into functionality.
  + Conducted End-to-End system testing and documented defects in Jira.
  + Performed various types of testing during each build deployment, including Sanity and Smoke Testing.
  + Developed Test Plans and Test Scripts for Automation Testing.
  + Prepared and shared Test Plan documents and a Traceability Matrix document with the Project Management Group and Business Group for their reviews and sign-offs.
  + Executed Web automation using Selenium with the TestNG framework and conducted Mobile Web Manual testing.
  + Worked as an Automation Tester, responsible for developing and maintaining Automation Frameworks, tools, and solutions.
  + Utilized the Cucumber test runner to create a regression test suite for batch testing.
  + Collaborated with the QA Manager, Business Analysts, and Developers to plan the Testing effort and resource estimates.
  + Implemented the Page Objects model (POM) and Apache POI in Web Driver Scripts, employed a Data Driven Framework using Selenium Web Driver and Java.
  + Wrote SQL queries to extract data from database tables for Database Testing, checking data validity and database Integrity.
  + Developed Test cases based on the requirements, participated in the implementation of Test Cases, and created Test Scripts in accordance with Business Requirements and System Requirements.

**QA Analyst** May 2017 to Oct 2019

# Education

**Certifications**

**Octo** － Reston, VA

* Engaged in projects involving various medical products databases.
* Applied Agile methodology and actively participated in daily scrum meetings.
* Conducted manual testing on different modules of the application.
* Prepared Test cases in alignment with the Business Requirements Document (BRD) and Use Cases.
* Logged and tracked defects using JIRA.
* Worked on the creation of new customer accounts within the application to generate test accounts.
* Performed various types of testing, including Functional, Regression, Black Box, and Integration testing.
* Conducted cross-browser testing across Internet Explorer, Firefox, and Google Chrome.
* Generated test data using SQL Queries.
* Provided defect reports to management by exporting data from Jira.
* Maintained collaborative relationships with team members and development teams.

## Bachelor’s degree (Bachelor of Science) Business Management

George Mason University

Scrum Master