**Vijay Kumar K | QA Manual and Automation Test Engineer | +1 (248) 602-0787**

[**vijayreddy8444@gmail.com**](mailto:vijayreddy8444@gmail.com)|

Available to work immediately and willing to relocate across the US on day 1. Only C2C roles

**PROFESSIONAL SUMMARY:**

* **Around 10+ years** of extensive experience in **Analyzing**, **Designing** and **Implementation** of QA testing strategy for **Web/mobile** based and **Client/Server** applications using **manual testing** and **Automation testing** tools.
* I have a wealth of **experience** in various domains, including e-**commerce**, **healthcare**, **banking**, and **insurance**.
* Experience in all stages of the **Software Development Life Cycle (SDLC)** and **Software Testing Life Cycle (STLC).**
* Skilled in **mobile testing** applications, proficiently conducting testing on **iOS** and **Android** platforms using tools like **Appium**, **Espresso**, and **Perfecto** and includes cross-device compatibility, usability, and performance in **mobile app testing**.
* Experienced in **API** **testing**, utilizing **tools** like **Postman**, **Rest Assured**, **JMeter**, and **Karate**, **GraphQL** **Swagger**, **SoapUI.**
* Experienced with various types of **testing** like **GUI testing, Web testing, Regression testing, User Acceptance Testing (UAT), Functional Testing, Sanity testing, System Testing, Performance testing, Integration Testing, End to End Testing, Unit Testing, Black Box Testing, White Box Testing, API Testing, Documentation and Reporting.**
* Proficient in utilizing a spectrum of **UI automation tools**, including **Selenium**, **Playwright, Browser stack**, **Cucumber**, **Testng**.
* Proficient in **testing** **database** of applications developed with **SQL Server**, **Oracle, DB2, Cloud DB** and **MS Access**.
* Experience with **Cloud** **Technologies** like **AWS**, **Azure**, **GCP,** **Kubernetes**, **Microservices**, **Docker**, **Cloud Storage**.
* Testing experience on **Microsoft Azure cloud**, **configuring Azure cloud** with **network configuration**.
* Proficient in using test automation tools such as **Selenium WebDriver/RC/IDE/Grid**, **HP Quick Test Professional (QTP), UFT and Mercury Quality Center** to develop automation testing scripts for web and client server applications.
* Expertise in functional testing AUT using **Selenium IDE** and **Selenium WebDriver** using **Junit/TestNG** testing framework.
* Service Virtualization, Automation and Performance Testing with expertise in Confidential **CA LISA (DevTest).**
* Experience in working on functional testing of **SOAP** and **RESTful Web Services** using **SOAP UI Tool.**
* Proficient in **Bug Severity analysis, Bug tracking and Bug Reporting**, by prioritizing issues based on important, urgent, hot fixes using Defect Management tools like **HP ALM Quality Center (QC), Bugzilla, JIRA, Clear Quest, and Test Director.** Sending Automation status reports on Daily, Weekly basis and coordinating with teams for any issues
* Experienced in utilizing the **JMeter** **load** and **performance** testing tool to assess the scalability, performance of applications.
* Performed code reviews and implemented best **Python and Java** programming practices.
* Successfully created and validated **RESTful** services collections in **Postman**, contributing to the development of a comprehensive **API** testing framework and utilizing **Postman's** features to enhance efficiency and accuracy in complex automation testing.
* Proficiently employed **Rest Assured** for API testing, demonstrating expertise in crafting, and executing robust test suites for **RESTful APIs**, ensuring accurate validation of endpoints and data integrity.
* Good knowledge on Possesses a solid understanding of **automation** frameworks in **Selenium** **WebDriver**, employing the **Behavior Driven Development** (BDD) approach through the **Cucumber** framework with **Gherkin** syntax.
* Extensive experience in **Keyword Driven, Data Driven** and **Hybrid Automation Frameworks.**
* Prioritizing testing efforts for the team and working on test deliverables for each **sprint release**. Tracking test results and testing progress in **Microsoft Test Manager Tool (MTM).**
* Experienced in analyzing Business Requirements and Proficient in creating **Requirement Traceability Matrix (RTM).**
* Skilled in integrating **PySpark**, the **Python** API for **Apache Spark**, into the automation testing process.
* Experience in testing native applications on **iPhone, Android, (QNX), iPod, J2ME devices using APPIUM, CUCUMBER,**
* Excellent knowledge in writing unique **XPath** using **firebug and fire path** to identify **web elements.**
* Experienced in providing the efficient locators strategy like **XPath and CSS to run WebDriver script** in stable condition.
* Good experience in coordinating with business analysts for reviewing **Business requirement documents (BRD)** and **software requirement documents (SRD)** for creating and executing test cases and coordinated with developers for fixing defects.
* Expertise in performing **manual testing** & **Mobile Application** Testing using **Appium**.
* Excellent experience with source version control tools like **Subversion (SVN), Team Foundation Server (TFS) & GIT**.
* **Excellent interpersonal skills**, proven team player to **problem solving** and delivering under high stress environment.
* **Good analytical and communication skills** and ability to work independently with supervision and perform as part of a team.
* Experience in using **Git repository** and **Git Hub** for source code management and version controlling.
* Collaborated closely with Developers and **DevOps** teams to ensure the integration of automated scripts with **CI/CD pipelines**.
* Expertise in developing automated testing suites and scripts that integrate seamlessly with **Git, Docker,** and **Jenkins**.
* Experience in **Requirement analysis**, **Project effort estimation**, **Resource planning**, **monitoring** the progress of the activities and **application reviewing** and experienced in conducting **comprehensive** application reviews to ensure **quality**.
* Involved in End-to-End Testing of **Angular** application using **Protractor**, **Jasmine**, **Mocha**, **Chai** and **Karma**.
* Strong understanding of **TestNG Data Provider** annotation to configure datasets and implemented **Data Driven Testing**.
* Delivered thorough QA testing reports that determined product quality and release using **TestNG** and **JUnit reporting**.
* Reviewed and transformed Business and User Story requirement **documentation** created **wireframes** for **stakeholder** approval.
* I traced Requirements throughout the development process and verified using the **Requirement Traceability Matrix (RTM).**

**TECHNICAL SKILLS**

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| **Defect Tracking Tools** | Quality Center (9, 10, 11.0), HP Quality Center, Bugzilla, JIRA, Team Foundation Server (TFS 2008, 2010, 2012). |
| **Frameworks** | Cucumber, Data Driven, Keyword Driven, Hybrid, Page Object Model (POM) |
| **Programming Tools** | JAVA, JavaScript, Angular JS, Gherkin, SQL, C, C++, UNIX Basics, SQL scripting, VB Script |
| **Web Technologies** | HTML, AJAX, XML, Json, jQuery, JavaScript ES6, CSS, Angular JS, Angular, Node JS, React JS, JSF, JSTL, DOM, JAXB and JAXP. |
| **Databases** | MySQL, Oracle, SQL Server, PLSQL, NoSQL, DB Visualizer, MONGODB, MS Access, MS SQL Server, Triggers, View, Criteria and Toad, Postman |
| **Browsers** | Internet Explorer, Mozilla Firefox, Google Chrome, Safari, Opera |
| **Big Data Tools** | Hadoop, Hive, Spark |
| **ETL Tools / UML Tools** | Informatica, Autosys, MS Visio, MS Project, UML |
| **AWS** | EC2, RDS, S3, ELB |
| **Versioning Tools/ IDE/ OS** | GIT, SVN, Eclipse 3.3,3.4,3.5, NetBeans 6.0, IntelliJ, UNIX/Linux, Windows, IBM Rational Application Developer (RAD 6.0,7.0,7.5), Windows 2003 Server, UNIX, Windows |
| **Testing tools** | Selenium Web Driver/IDE/GRID, JUnit, TestNG, Cucumber, Firebug, Fire Path, SOAPUI, Postman, Rest Assured, Jasmine, Karate, Cypress, Perfecto Mobile, Appium, Zephyr. |
| **IDE Tools** | Eclipse, STS, Spring Boot, IntelliJ, Maven, Gradle |

**PROFESSIONAL EXPERIENCE**

**Lead Software Development Engineer in Test (SDET)/QA Automation**

**Huntington Bank, Columbus, Ohio**   **Feb 2022 to Present**

**Responsibilities:**

* Executed pivotal roles in **System**, **Integration**, **Regression**, and **Data** **testing** for the Desire2Learn (D2L) application within an **Agile** **development** **framework**. Proficiently managed test execution, **defect** **tracking**, and coordinated efforts within the team.
* Developed a robust **automation** **framework** and crafted test scripts utilizing **JavaScript**, Selenium WebDriver, **Java**, **Selenium** Grid, **Cucumber**, and **Maven**. Successfully executed and maintained the test scripts to ensure **comprehensive** test coverage.
* Collaborated closely with the **Product** **team**, **Designers**, and **Developers** to guarantee the application aligns with specified requirements and meets user expectations.
* Worked in the **agile** environment with frequently changing requirements and features set.
* Prepared **Test Plans, Test Scripts and Test Cases** based on functional specifications and user requirements.
* Participated in **SDET (Software Development Engineer in Test)** for automated test cases and the frameworks execution.
* Played a crucial role in **Mobile** **Device** **Management** (**MDM**), overseeing all stages from requirement gathering, development, and testing, ensuring seamless coordination across the MDM lifecycle.
* Performed Data driven testing using **Selenium WebDriver, Junit functions** and which reads data from scripts using **XML** files.
* Successfully designed and executed **automated test scripts** for **Flask web** applications, reducing manual testing efforts.
* Utilized **AWS** **cloud** services to establish secure, scalable, ensuring the seamless deployment of financial applications.
* Developed automated test suites using **Flask** for end-to-end testing of the banking web application, covering account management and transaction workflows.
* Implemented simulator for Mobile App Testing in Android Platform and iOS Platform using **Appium** and **SeeTest**.
* Involved in integrating the test suites to **Jenkins** to execute them automatically after every successful deployment.
* Created and executed software test plans, cases and scripts using latest Test Management tool by **Microsoft Visual Studio** 2010.
* Designed **data-driven testing** framework in Selenium and captured data dynamically from web controls.
* Executing the test plans on **web** and **mobile** (Apple & Android) as per requirements.
* I have expertise in developing and maintaining server-side **integration** tests using **Python**, **Selenium** WebDriver, and **Java**.
* Developed, maintenance and automated Test cases for Web application (Selenium Web driver, **Python**, **py.test,** XPATH, CSS)
* Experienced in load and performance testing tool **JMeter** to gauge the performance of **client**/**server** applications.
* testing using SOAP UI and utilized the **SOAP** UI tool to test **SOAP** services and REST API in **SOA**-based architecture.
* Performed **Smoke, Functionality, Integration, System, Regression tests** based on Analysis, and understanding of the requirements, end-user needs. Prepared **test cases, test data and test responsibility matrices** for the application under test.
* Used **GIT** as code repository and **Code Collaborator** to manage code reviews.
* different **Operating** **Systems**. Ensured a seamless user experience by identifying and addressing **cross-browser** discrepancies.
* Performed defect reporting and bug tracking using **JIRA** and followed up with development team to verify bug fixes, bug status.

**Environment**: Selenium WebDriver, Selenium Server, Grid, Apache POI, Java, HTML, CSS, X-path, SQL, Maven, SOAPUI, Postman, Restful, JSON, Appium, Android, Python, IOS, Cucumber, Gherkin, Protractor, Mocha, Chai, TestNG, Aws, S3, EBS XML, Log 4j, Share point, Agile, Jira, Jenkins, GraphQL, Flask,Oracle.

**Senior QA Automation and Manual Engineer**

**Target, Minneapolis**   **Dec 2020 to Jan 2022**

**Responsibilities:**

* Designed and developed Data Driven framework which is a Hybrid framework for automation scripts using **Selenium WebDriver**, **Cucumber**, **BDD**, **Apache POI** and **TestNG**.
* Involved in **Agile testing**, reviewed the stories and participated in **Daily Scrum** and **Release Planning meeting**.
* Reviewed the **Product Backlog**, Functional Specifications Document and Technical Documentation.
* Experienced in preparing the Software Test Plan which includes analyzing requirements during the requirements analysis phase of projects using **JIRA**. Also, wrote System Test Procedures and conducted lab dry runs to maintain their accuracy in software.
* Applied **Rest** **Assured** to rigorously validate API endpoints, ensuring the smooth functionality of **payment** gateways.
* Played a key role in the successful integration of **Flask** applications into the automated testing framework Automated test cases..
* Executed performance tests using **JMeter**, by adjusting the number of virtual users to simulate different **load** levels.
* Utilized **AWS** to implement elastic computing, efficient **storage** solutions, and robust content delivery, optimizing website performance, scalability, and user experience.
* Utilized **Appium**, a top-tier mobile automation tool, to craft and implement automated test scripts for this project, ensuring consistent performance and user satisfaction across a variety of **mobile** **devices**.
* Created test automation framework from scratch using **Cucumber** with Page Object Model **(POM)** using Java language. Developed User Stories using Java in **Behavior Driven Development** for User Acceptance Testing.
* Performed Regression testing after each build release of the application and updated the scripts by executing the Regression suites built using **Selenium** and approve for **Regression Suite**.
* Configured **Jenkins** built job for **Continues Integration** and for **Regression Testing**.
* Used **JUnit** and **TestNG** as testing framework and **Maven** for project building.
* Proficient in creating and executing test scenarios that involve processing and validating data using **PySpark**, **Python**, ensuring data integrity and accuracy in the application under test.
* Used Protractor for End-to-End Testing of **Angular** **application**. Used **Mocha Test** Framework and **Chai** Assertions.
* Hands on experience in using **Apache POI** to extract data from external sources to operate locators into the test script.
* Involved in designing data driven framework for reading the data from excel sheets using **Apache POI library and Junit, TestNG.**
* Expert in checking build by using **Maven** as well as can run test suite in cross browser or **parallel browser testing** (using TestNG.)
* Contributed to the development of **GraphQL** mutations to support dynamic updates and real-time **inventory** management.
* Use **Maven** for checking build and use **Jenkins** as **CI**. Manage Automation project with **Maven Build tool.**

**Environment**: JIRA, Selenium WebDriver, Appium, JMeter, API, JUnit, TestNG, Maven, Jenkins, Fire Path, Firebug, HTML, Internet Explorer, Chrome, Mozilla Firefox, GraphQL, Cucumber, Gherkin, Java, UNIX, Linux, Windows XP, JavaScript, XML, Excel, SQL, Windows.

**Senior QA Automation and Manual Engineer**

**Johnson & Johnson, New Brunswick, New jersey** **May 2019 to Nov 2020**

**Responsibilities:**

* Responsible for the delivery of the projects and to ensure the team following **Automation standards.**
* Designed Automation Test cases using **Selenium WebDriver, Java, Junit, Maven**.
* Expertise in using **Pytest**, a powerful and easy-to-use testing framework for **Python.**
* Used **Selenium Grid** to run test cases in **multiple browsers** and **Platforms**.
* Implementing **Data Driven Framework** based on project needs and configured framework with Jenkins for Continuous Integration.
* Good Experience in **Agile methodology** with **SCRUM** Process for the product development.
* Executed browser **(IE, Firefox, Chrome, Safari)** and Platforms **(Windows/Mac OS)** compatibility testing by writing scripts using **UFT**.
* Good Knowledge on **DevTest** in managing release and Test Cycles, Plan and assigning test tasks to the team and submitting the product defects within a single application.
* Utilized **Rest** **Assured** to meticulously test and validate API interactions, ensuring the integrity of patient data, adherence to healthcare standards, and seamless communication between diverse **healthcare** systems.
* Configured **Selenium Web Driver, TestNG, Maven** tool and **created selenium automation scripts** in java using **TestNG**.
* utilized **AWS** cloud capabilities to build HIPAA-compliant solutions, facilitating secure and compliant storage.
* Performed the manipulation of **XML request** files while sending a SOAP request and asserted the **XML response** from the server.
* Performed data driven testing by using **JDBC** and **Groovy script** as a data source in **SOAP UI** and configured **SQL queries**.
* Used **Cucumber, Appium, Robotium, XCode** for Native Mobile Application automation testing for **iOS and Android platform**.
* Created **RTM Matrix**, ensured the Test Planning, Flows are capturing and covering all the Functional/Non-Functional requirements.
* Utilized **LoadRunner** and **JMeter** to execute multi-user performance tests, contributing to online monitors within the **LoadRunner.**
* Designed **Hybrid Appium** Test automation framework for the application **(Android apps)**.
* Involved in Mobile Testing includes App Testing. Test automation for web application using **SEE TEST, RENOREX**.
* Developed automation test scripts for **client -server and web-based** applications using **Python, Silk**.
* Responsible for **backend** (DB) testing post-ETL job initiation, involving analysis of intermediate files, and validating the transformation Participated in the initial **KT Sessions** from the client along with the business analysts to get the understanding of the application**.**

**Environment:** Selenium WebDriver, Jenkins, Cucumber, SOAP UI, Maven, Appium (Android), TestNG, Quality Center, Firepath, Firebug, Eclipse, XPATH, Java, Android, SQL Server, JMeter, Protractor, JIRA, Squish, AngularJS, GIT.

**Progressive, Mayfield, OH**

**QA Automation and Manual Engineer.** **Mar 2016 to Apr 2019**

**Responsibilities:**

* Determined testing requirements developed and reviewed scripts for positive and negative test scenarios, and generated reports.
* Developed and **implemented** robust UI **automation** **frameworks** using tools such as Selenium **WebDriver**, TestCafe, or **Appium**, ensuring efficient and scalable test automation for web and **mobile** **applications**.
* Participated in **Agile** development methodology, tracking and reporting defects in **JIRA**, and collaborating with **developers**.
* Performed **mobile** testing with **Appium** for web and native apps, including both **automated** and **manual** testing.
* Involved in Creation of Plan approach, High-&Low-Level design documents, Test Data Management sheet for **Service Virtualization.**
* Extensively used **ETL** methodology in testing for supporting data extraction, transformations and loading processing, in a corporate-wide-ETL solution using ETL tools like **Informatica.**
* Executed test scripts and generated reports using the **Protractor** and **Cucumber.**
* Participated in sprint grooming sessions & discussed the scenarios & use cases with the development team.
* Implemented simulator for Mobile App Testing in **Android** Platform and **iOS** Platform using **Appium** and **SeeTest.**
* Collaborated with cross-functional teams to streamline **GraphQL** schema changes and maintain backward compatibility.
* Conducted **E2E** manual and automation tests for all environments using **Cucumber** Ruby, **Selenium** IDE/RC and Jenkins.
* Developed a comprehensive collection of RESTful services in **Postman**, ensuring the creation of a robust testing suite. Proficiently validated responses to guarantee the reliability and accuracy of the implemented services.
* Utilized **AWS** CloudFormation for **infrastructure** as code in insurance projects, streamlining the **deployment** and management of resources, and ensuring consistency across different environments.
* Conducted data-driven testing in **SOAP** **UI**, using **JDBC**, **Groovy** **script** as a data source, and configuring SQL queries to fetch data.
* Tracked and reported defects in **JIRA** and coordinated with developers until they are resolved.

**Environment:** Selenium, Java, C#, Eclipse, QTP, Junit, Maven, Appium, Scrum, SOUPUI, SQL, VB Script, JIRA, HP Quality Centre.

**QA Automation Engineer**

**CGI, Bangalore, India**  **June 2012 to Nov 2014**

**Responsibilities:**

* I performed a detailed analysis of the **Business Requirements Document**, contributed to the **test plan**, and formulated comprehensive **test cases** for the testing of new functionality.
* Participated in product design reviews to provide input on **functional requirements**, **product designs**, **test estimate schedules.**
* Worked with **Product**, **Design**, and Engineering teams on requirements gathering and evaluation.
* Performed **Regression testing** to make sure that the operations staff can see the aircraft-to-ATC communication in clear text.
* Extensive Knowledge in **Agile Methodology** and participated in **Sprint planning**, **Sprint Retrospective**, **Product Backlog**.
* Automated regression testing with **Selenium** **WebDriver** and Selenium **Grid** for multi-device testing.
* Implemented automation using **Selenium Grid** to perform testing on multiple devices.
* Application Screenshots are captured using **TakeScreenshotAs** and copied the images whenever an exception occurs.
* Handled various **Alerts** using different methods such as dismiss, accept, **getText** in effective way depending on the requirement.
* Responsible for developing the scripts to support **Jenkins (Continuous Integration)** of the scripts with the build server.
* Developed Test Scripts to implement **Test Cases**, **Test Scenarios**, and features for **BDD** (Behavior Driven Development), **TDD** (Test Driven Development) using **Cucumber** in **Gherkins** format.
* Good hands-on experience on bug tracking tool like **Jira**.
* Used Mobile Testing Tools **Perfecto Cloud Tool,** **SeeTest**, **Browser Stack**, **Sauce Labs**, **Appium**.
* Performed **Cross Browser** and parallel testing to test the applications are working as in **different browsers** and environments.
* Expertise in **Smoke testing**, **Regression testing**, **System Testing** and **UAT**.

**Environment:** Java, Selenium, Selenium Grid, Jasmine, TestNG, Angular, XPath, Eclipse, Data Driven and Page Object Model Framework, Cucumber, SoapUI, Appium, Protractor, Maven, Perfecto Cloud Tool, MYSQL, Oracle, Maven, Jenkins, Agile/Scrum, Gherkin, Scrum, Agile.