**Vijay Kumar K | QA Manual and Automation Test Engineer**

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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**.
* Good experience on **Selenium Automation** using **WebDriver** and **Server**. Heavy programming using **Java, Junit, TestNG**.
* Extensive experience in **Java**, **Ruby**, **Groovy, Python**, **C#, JavaScript**, **VBScript**, **JSON, HTML**, **XML** and **SQL** on **Windows**, **Mac**, Vista Operating Systems and **UNIX** Environments. I bring a versatile skill set encompassing programming languages.
* 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.
* Good knowledge on **Junit**, **TestNG** framework for **Unit testing**, **Maven, Gradle** and **Ant** for Project **building tool**, **Jenkins, Team City, Cruise Control** for **Continuous Integration**.
* Expertise in functional testing AUT using **Selenium IDE** and **Selenium WebDriver** using **Junit/TestNG** testing framework.
* 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.
* I leverage **Playwright's capabilities** to drive efficiency, accelerate time-to-market, and enhance the overall user experience.
* 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.
* Leveraged **Rest Assured's** capabilities to streamline **API** automation, enhancing the efficiency of testing processes, and contributing to the overall reliability and performance of software applications.
* 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).**
* Proficient in utilizing **Playwright**, a versatile automation testing framework, to ensure the quality, reliability.
* 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**.
* Showcased proficiency in **Playwright's ability** to address modern web application challenges, ensuring optimal test coverage.
* **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**.
* 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**.
* Reviewed and transformed Business and User Story requirement **documentation** created **wireframes** for **stakeholder** approval.

**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.
* Conducted detailed analysis of **Business** **Requirement** **Documents** (**BRD**) and **Functional** **Specification** **documents** (FSD) to meticulously formulate Test Cases in alignment with the Test Plan and Use Cases. Actively participated in review meetings to enhance comprehension of the applications.
* Prepared **Test Plans, Test Scripts and Test Cases** based on functional specifications and user requirements.
* 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.
* Utilized **Playwright**, a modern and cross-browser automation testing framework, to **automate** the testing of web applications.
* Implemented the setup of **Kafka** **Message** **Queues**, Topics, and the **Kafka** **Environment** through the utilization of Chef scripts, streamlining the process for efficient configuration.
* Implemented automation framework in Selenium WebDriver using **Behavior-Driven (BDD)** approach in **Cucumber** framework.
* Utilized **AWS** **cloud** services to establish secure, scalable, and compliant infrastructure, ensuring the seamless deployment of financial applications and enhancing data privacy.
* Proficient in utilizing **Postman** to conduct thorough testing of various service calls, demonstrating expertise in crafting, and validating API requests to ensure robust functionality and data integrity.
* Tested **Appium**, **Espresso**, and **Perfecto** for comprehensive testing of both Web and Native applications, automating mobile testing across various applications in alignment with specified requirements.
* Implemented simulator for Mobile App Testing in Android Platform and iOS Platform using **Appium** and **SeeTest**.
* Implemented Page **Object Model Pattern (POM)** based Keyword Driven **automation testing** framework utilizing **Java, TestNG and Selenium Web-Driver.**
* Involved in integrating the test suites to **Jenkins** to execute them automatically after every successful deployment.
* Developed automated test scripts utilizing UI automation tools and frameworks, including **Espresso** for Android and **XCUI**Test for iOS. Specialized in designing scripts tailored for mobile applications, ensuring coverage of critical healthcare workflows.
* Employing **Karate's** expressive **syntax**, I meticulously crafted test scenarios to validate the integrity and functionality.
* Worked with Developers, as necessary, and repaired bugs, tracked software problem reports using Team Foundation Server (TFS).
* I have expertise in developing and maintaining server-side **integration** tests using **Python**, **Selenium** WebDriver, and **Java**.
* Experienced in load and performance testing tool **JMeter** to gauge the performance of **client**/**server** applications.
* Developed a comprehensive regression testing suite with **Playwright** to validate critical banking functionalities across multiple releases, ensuring backward compatibility and preventing regression issues.
* Utilized a variety of test tools for test case automation, generating comprehensive test reports Conducted extensive Web Services testing using SOAP UI and utilized the **SOAP** UI tool to test **SOAP** services and REST API in **SOA**-based architecture.
* Leveraged **Playwright** to create automated test scripts for responsive web applications and minimizing human error.
* Demonstrated expertise in **Playwright's** capabilities, including cross-browser testing and parallel execution, enhancing the efficiency and reliability of automated testing processes.
* Performed **Continuous Integration** of code and scripts using **Jenkins**, **Maven** and **TestNG**. Configured and launched builds using **Jenkins** jobs and analyzed the Test Results from **Jenkins UI**.
* 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.
* utilizing **Karate's performance** testing capabilities, I orchestrated rigorous tests to evaluate the banking system's resilience under varying load conditions.
* Utilized Ruby scripting with Cucumber Framework, writing and executing SQL queries to verify data updates across tables.
* As part of **compatibility** **testing**, executed the workflow manager web application related test cases on different browsers different **Operating** **Systems**. Ensured a seamless user experience by identifying and addressing **cross-browser** discrepancies.
* Extended **Playwright's capabilities** to include **API** integration testing, validating the interaction between frontend UI components and backend RESTful APIs, ensuring data integrity and consistency in banking transactions.
* Implemented and worked on **Acceptance Test Driven Development** (ATDD) **agile** methodologies completing releases.
* Performed defect reporting and bug tracking using **JIRA** and followed up with development team to verify bug fixes, bug status.
* Reviewed database test cases according to assigned Requirements to validate reports by retrieving data with complex SQL queries from **SQL Server** andImplemented thorough analysis to ensure data accuracy and integrity in the testing process.
* Actively participated in walk-through, inspection, review, and user group meetings for quality assurance with BAs, SM Developers.

**Environment**: Selenium WebDriver, Playwright, Grid, Apache POI, Java, HTML, CSS, X-path, SQL, Maven, SOAPUI, Postman, Restful, JSON, Appium, Android, IOS, Cucumber, Gherkin, Protractor, Mocha, Chai, TestNG, Aws, S3, EBS XML, Log 4j, Share point, Agile, Jira, Jenkins, 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 **Cypress**, **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.
* Used **Karate** to make **HTTP requests, validate responses**, and perform various assertions using a simple and expressive syntax.
* Utilized **Karate** as a built-in support for handling authentication.
* Proficient in using **Katalon** Studio to develop and maintain automated test suites, improving efficiency and accuracy in testing.
* Conducted **end-to-end testing** on the **Point of Sale (POS)** system, ensuring smooth payments at physical payment terminals.
* Applied **Rest** **Assured** to rigorously validate API endpoints, ensuring the smooth functionality of **payment** gateways.
* Integrating **Karate** seamlessly into our **CI pipelines,** I automated **test execution** and regression testing, fostering a culture of continuous quality assurance within the e-commerce project.
* 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.
* 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**.
* In depth understanding of Object-Oriented Programming and skilled in **Selenium developing** automated test scripts.
* Lead for software manual testing, interface testing and automation testing using **Testcafe** and Selenium.
* 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**.
* Responsible for installation and automate functional testcases using **TestCafe** node.js using TypeScript.
* Assisted in mentoring and training new QA engineers in **UIAutomator2** and mobile app testing best practices.
* Configured **Jenkins** built job for **Continues Integration** and for **Regression Testing**.
* Experience in **Core Java concepts** such as OOP Concepts, Collections Framework, Exception Handling, **Multi-Threading**, **JDBC** and generated test logs using **Log4j** for various log levels. Understanding coding in **C++, HTML, CSS, JavaScript.**
* 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.)
* Use **Maven** for checking build and use **Jenkins** as **CI**. Manage Automation project with **Maven Build tool.**
* Develop Automation framework from scratch using **Maven**, **TestNG** with java programing language.
* Scheduled and prioritized work and plan a sequence of testing activities that accomplish the planned.

**Environment**: JIRA, Selenium WebDriver, Appium, JMeter, API, JUnit, TestNG, Maven, Jenkins, Fire Path, Firebug, HTML, Internet Explorer, Chrome, Mozilla Firefox, 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**.
* Used **Selenium Grid** to run test cases in **multiple browsers** and **Platforms**.
* Responsible for implementation of **Hybrid Test Automation Framework, Page Object Model** using **Selenium WebDriver, TestNG**.
* Developed **Selenium WebDriver and JAVA framework** by preparing Test Plan, Test Estimation, Test Strategy, Metrics, and Implementing **Data Driven Framework** based on project needs and configured framework with Jenkins for Continuous Integration.
* 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.
* Used **SOAP UI tool** to test **SOA** based architecture application to test **SOAP services** and **REST API** and Involved in services testing using and Postman. Worked closely with the platform team for every new service that the plan to tag and release.
* Performed the manipulation of **XML request** files while sending a SOAP request and asserted the **XML response** from the server.
* Performed web services testing with **SOAP UI** by validating request and response for **XML, JSON** files.
* Used **Cucumber, Appium, XCode** for Native Mobile Application automation testing for **iOS and Android platform**.
* Expertise in performing manual testing **(emulators & IOS Simulators)** & Mobile Application Testing using Appium.
* Involved in Mobile Testing includes App Testing. Test automation for web application using **SEE TEST, RENOREX**.
* Building and scaling **Ruby on Rails** applications with **Agile processes** and **write clean, modular, and clear Ruby code**.
* Responsible for **backend** (DB) testing post-ETL job initiation, involving analysis of intermediate files, and validating the transformation of initial source data in the database. Executed SQL queries and DMLs to convert data from **flat** files to a readable format.
* Experience with **Cucumber** automation tool including **Gherkin, Ruby and ATDD, TDD, BDD**.
* Executed test scripts, documented defects, and verified fixes using **JIRA, Squish** Defect tracking tool and **QC/ALM**.
* Wrote SQL Queries for **backend/ETL** testing ensuring comprehensive validation and integrity of data processes.
* Used in using **GitHub/ bamboo** for any code change and package merging to the test environment.
* 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**.
* Developed automation test suites and test scripts using Selenium Web Driver, **TestNG** and **Maven**.
* Configured Selenium **WebDriver**, **Test-NG**, **Maven** tool and created Selenium automation scripts in java using **Test-NG.**
* Performed **mobile** testing with **Appium** for web and native apps, including both **automated** and **manual** testing.
* Setup Jasmine and Selenium/IDE for unit and functional testing. Run Unit tests with **Jasmine-Karma.**
* Automated System Testing for trading transactions, exchange operations and payment methods using selenium WebDriver, **C#.**
* Used **Apache POI** for the data driven test cases and developed Automation test scripts with **QTP** based on various use cases.
* Coded scripts for testing the test cases and made enhancements for modified scripts using **Quick Test Professional (QTP) and UAT.**
* Understanding **business** **requirements**, design documents and test plans for functional, automation **(QTP)** and integration 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.**
* Implemented simulator for Mobile App Testing in **Android** Platform and **iOS** Platform using **Appium** and **SeeTest.**
* Performed **Accessibility Testing** by voice over for IOS device and manually by keyboard navigation testing so that blind people can use the application with tab sequences and enter keys.
* Developed a comprehensive collection of RESTful services in **Postman**, ensuring the creation of a robust testing suite. Proficiently validated responses to guarantee the reliability an accuracy of the implemented services.
* Tested **API's** / **Web Services (SOAP**) for various functionalities and modules of the application using **SOAP UI** and Webservice studio.
* Coded dynamic and browser compatible UI web pages using **JavaScript**, **CSS3**, **HTML5, jQuery**, **Ajax,** and responsive design in MVC.
* Performed web services testing with **SOAP UI** by validating request and response for **XML, JSON** files.
* Utilized HP UFT for Regression testing, performed **DDT** designed verification points, and developed effective automated **QTP** scripts.
* **CSS/HTML/Navigation/JS/Cookies/Browser** and OS Compatibility/Webpage performance to validate end-to-end automated testing and debugging using Selenium IDE.
* 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.
* Maintain the Selenium automation code and resources in source controls like **Git, SVN** over the time for new features.
* Worked closely with Production Managers, Technical Managers in planning, scheduling, and executing **performance** tests.
* Designed **test** **plans** and defined cases for functional, integration system, and **user** **acceptance** **testing**.

**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.**
* Designed, developed, and maintained **TestCafe** test scripts for **web** **applications**.
* 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.
* Confidential ended stand-up calls on daily basis and had two-week **Sprints** in **Agile Methodology**.
* Tested **Angular** Application with **Jasmine testing framework** and **Protractor**. Used TypeScript for automation.
* Implemented automation using **Selenium Grid** to perform testing on multiple devices.
* 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.
* Used **GitHub** to maintain and manage the build scripts, test data used, and other documents related to the project.
* Worked on **Data Driven/Page Object Model Framework** and extracted data from external Excel files using **Apache POI** and loaded into the variables in the scripted code.
* Worked on **Maven** for build and dependency management where I have added different dependencies such as **Apache POI**/**TestNG**/**Maven-plugin-Api** etc. according to the requirement.
* Performed functional testing of web services using **SOAPUI** and RESTful web services.
* Performed **Mobile Testing** of **Android** based Apps using **Appium**. Connected Real Devices with **Espresso**.
* 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.

**Education:** Completed My bachelor’s in **computer** science from **Sri Krishna Engineering College** Chennai, Tamil Nadu