**Banu Reddy**

**Sr. QA Engineer**

**PROFESSIONAL SUMMARY:**

* Around 9 years of experience in Software Quality Assurance, proficient in Client/Server and Web based applications.
* Expertise in performing Functional Testing, Integration Testing, Backend Testing, Regression testing using Selenium/WebDriver, Java and JUnit/TestNG, Database Testing using SQL.
* Developed/maintained Test Plans, Test Cases, Defect Tracking and reporting, Analyzing, Designing and Implementation of QA Testing strategy for Web based and Client/Server applications using both Manual and Automated Test environments.
* Experience in Data and Keyword Driven Frameworks using TestNG/Junit,Maven build tools.
* Extensive experience in Automation Testing Tools using Quick Test Professional (QTP), Selenium.
* In-depth knowledge on Software development lifecycle (SDLC), Testing Life Cycle(STLC), Defect Life Cycle, Test processes and different methodologies like Waterfall, Agile, and Scrums
* Key expertise includes testing & debugging GUI & Multi-Applications environment & automated testing using Selenium Web Driver.
* Experience in Building Microsoft.Net/C# automation Scripts by using Selenium, MS Visual Studio, MS Test, Spec flow, and coded UI, Azure and good expertise in using Annotations.
* Identified correct GUI elements using various Selenium Locators like ID, Name, Link Text, Partial LinkText, XPath andCSS to find the Web Elements using selenium and creating automation scripts.
* Working experience on defect tracking tools like HP ALM/Quality Center, JIRA, Microsoft Team Foundation Server.
* Experience understanding the code written in different programming languages Java, Java Script and databases like Oracle, SQL Server.
* Good experience in testing SOAP and REST services using SOAP UI, Postman and Tested in XML & JSON formats.
* Involved in the Continuous Integration of the automation framework with Jenkins.
* Used Maven&Ant for Project building tools, Jenkins/Hudson/Bamboo for Continuous Integration.
* Experience in Behavior driven development (BDD) using Cucumber / Gherkin.
* Involved in writing Scenarios, Scenario outlines, feature and Step definitions using Cucumber for BDD.
* Expertise in Problem solving and Defect Tracking Tools like Quality Center, Bugzilla and JIRA.
* Experience in manual and automated testing using different tools like QTP, Selenium (Web Driver) using Java.
* Experience in Page Object Model (POM), Data Driven, Behavior Driven Development and Keyword Driven: Framework with Web Services tools like SOAP UI, REST API.: Possess good exposure to Continuous Integration / Continuous Delivery process/set ups (CI/CD).
* Enabled Continuous Integration on the application using tools like Jenkins.
* Experience in doing performance testing of service using JMeter, HP LoadRunner.
* Extensively involved in Load and Stress Testing and Mobile Performance Testing.
* Experience in functional testing, Regression Testing, user acceptance testing(UAT), integration testing, system testing, performance testing, Stress & Load, White Box Testing, Black Box testing, Smoke testing, API Testing, Cross browser testing, compatibility testing & security testing.
* Experience in Testing Web app, Native app using See Test for automated mobile testing and run the scripts for multiple devices and also perform manual testing according to the requirements.
* Proficient in testing database of applications developed with SQL Server, Oracle and MS Access.
* Excellent experience with source version control tools such as Subversion (SVN), TFS VsGit.
* Good analytical and communication skills and ability to work independently with minimal supervision and perform as part of a team.

**TECHNICAL SKILL SET:**

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| **Test Approaches** | Waterfall, Agile/Scrum, SDLC, STLC, Bug life Cycle |
| **Testing Tools** | Selenium WebDriver, QTP, JMeter, GIT, Xpath, Eclipse, SOAP, Manual Testing,  |
| **Frameworks** | Page Object Model, Keyword Driven, Data Driven, Hybrid Testing, Gherkin, TestNG, Junit. |
| **Build & Integration tools** | Maven, Ant, Jenkins, Bamboo, Hudson. |
| **Programming Languages** | Java, C, C++, VBScript, HTML |
| **Browsers** | Firefox, Internet Explorer, Safari, Google Chrome. |
| **Operating System** | Windows Variants, Azure, Unix, Linux. |
| **Database tools** | MySQL, SQLServer, SQL, Oracle. |
| **Defect Tracking Tools** | HP ALM, Quality Center, Jira, Team Foundation Server (TFS). |
| **MS Office Tools** | MS Project, Outlook, Excel, PowerPoint, MS Access, Word |
| **Types of Testing** | Manual Testing, UI Testing, Integration Testing, Regression Testing, Black Box Testing, White Box Testing, Functional Testing, Stress and Load, Performance, Smoke, Sanity, API, and Unit testing. |

**PROFESSIONAL EXPERIENCE:**

**Client: McKesson, TX Apr 2022 - Till Date**

**Role: Sr. QA Engineer**

**Description:** This is a pharmaceutical based company. This project deals with the information and records of the patients. It has confidential information regarding the medication and the billing department. We have a sales for support team providing the business technical support to automate the process and be more productive.

**Responsibilities:**

* Analyzed the system requirements and developed detailed test plans and test cases and provided the documentation, collaborated with product management teams in an agile environment to develop a comprehensive set of tests for web-based applications.
* Responsible for implementation of Behavior Driven Development Testing Automation Framework build using Selenium WebDriver, Cucumber, TestNGand Maven technologies under Java platform.
* Developed Microservices testing to retrieve API routes for the entire cluster. Using this strategy each Microservice in a cluster can be load balanced and exposed through one API gateway.
* Development of Manual and Automated test cases by decomposing use cases from BRD.
* Updating existing scripts using Selenium WebDriver as per the latest changes and for new features added.
* Managed QA projects including upgrade of client software as well as the testing and troubleshooting of Classic ASP, ASP.Net based multi-user applications including code-level debugging and bug fixing.
* Worked on Cross Browser testing through Selenium WebDriver by testing the Scripts on different browsers.
* Hands-on experience on Playwright testing for end-to-end test framework for AngularJS applications and other Java script applications.
* Wrote and executed automated tests in Typescript/Playwright for a browser-based application.
* Tested the REST calls (POST,GET, PUT, DELETE methods) using POSTMAN and Playwright.
* Deployed and tested sites to Azure web portals. Defined and influenced coding guidelines.
* Involved in integration testing of Informatica mappings, worklets, Workflows and Unit testing using UTF.
* Performed the Mobile Testing for Mobile App, identify the Mobile Platform like IOS, Android by using Appium.
* Verified the data in the database through SQL statements and executed stored procedures and triggers.
* Used Gherkin languages to write features and scenarios. Involved in Regression Testing using Selenium.
* Created, scheduled and ran the scenarios using JMeter and generate necessary graphs.
* Developed scenario-based testing for the JMeter scripts.
* Extensively worked on JMeter to create Thread Groups & test Web Application in order to test for various loads on key business scenarios.
* Involved in writing automated scripts for angular JS applications using Protractor and Java scripts.
* I Have good experience setting up Jenkins jobs to automate the testing and deployment of microservices as part of a CI/CD process.
* Microservices testing for microservices I often involves testing individual microservices in isolation (component testing) and then testing the interactions between them (integration testing).
* I Can quickly validate API responses using built-in methods for checking status codes, response headers, response body content, and more.
* I have experience with SonarQube in code coverage and code quality assessment, demonstrating a commitment to delivering high-quality, maintainable, and secure software. It is particularly valuable in environments that prioritize software quality and require continuous monitoring and improvement of codebases.
* Created detailed QA and UAT cases to validate the quality of the application.
* Used Data Driven Framework to check behavior of application with different inputs as parameters using Selenium.
* Developed BDD Automation Framework using Cucumber and developed Feature files which includes Features, Scenarios and Step Definitions.
* Involved in testing of services using SOAP/REST services using SOAP UI, Groovy Script.
* Utilize Fiddler and SOAPUI for request/ response verification for web services projects.
* Used fiddler (proxy application) to monitor, analyze & report bugs if any.
* Executed Load Runner scenarios based on complex business scenarios with different monitors for Stress testing, Scalability testing, Failover testing, and Load testing.
* Logged the errors, reported defects, and tracked the defects using JIRA until resolution.
* Performed defect reporting and bug tracking using HP ALM and followed up with the development team to verify bug fixes, and update bug status.
* Performed black box, white box, Informatica and regression testing of Classic ASP and .Net applications in a Windows 7 and SQL Server environment.
* Performed Smoke, Functionality, white box testing, Integration, System, Regression tests based on analysis, and understanding of the requirements, non-functional specifications, and end-user needs.
* Automated UI test cases by using Selenium, XPath, integrated with Java.
* Worked on Database/Backend testing and validated the data by writing SQL Queries and experience in working on Oracle and SQL Server databases.
* Involved in Functionality, User Interface, and Regression testing during the various phases of development.

**Environment: Selenium WebDriver, MySQL, JAVA, JMeter, Git, Maven, Cucumber, JIRA, Gherkin**, **TestNG, Jenkins, SOAP UI, .NET, REST, Fiddler, Protractor, Microservices.**

**Client: Cisco, California Dec 2020 - Mar 2022**

**Role: QA Engineer**

**Description:** Cisco Systems, Inc. is an American multinational technology conglomerate headquartered in San Jose, California. It engages in the design, manufacture, and sale of Internet Protocol based networking products and services related to the communications and information technology industry.

**Responsibilities:**

* Analyzed business requirements and participated in requirement sessions to understand and identify missing, ambiguous, inconsistent requirements.
* Proactive participant in weekly Agile team meetings.
* Proactively resolve the customer problems in desktop applications about equipment and services.
* Provided support for desktop applications.
* Automate Smoke and Functional test cases using Selenium WebDriver, TestNG and Java (Eclipse IDE).
* Performed functional testing and regression testing using Selenium and TestNG.
* Initially involved in creating Manual Test Cases. Tests were grouped into test plans and executed. Results were recorded and published to management.
* Created detailed test cases by understanding the business logic and user requirements for manual testing.
* Created Azure Device client to test the integration flow with real vehicle like environment in the framework.
* Write and revise automated test scripts for Functional, Performance and Load tests using .NET Framework (C#) environments features.
* Implemented various Java API’s in Selenium Web driver Automation scripts.
* Integrated Automation scripts (Selenium WebDriver API) in Continuous Integration tools (Jenkins) for nightly batch run of the Script. Created Project plan on Jenkins, configured scheduled using Cron job.
* Combined MVC Pattern architecture concept, POM (Page Object Model) and created a robust framework using Selenium WebDriver to automate Web Client.
* Developed Maven Build scripts to run Sanity Test scripts developed in Selenium WebDriver.
* Setup Jenkins to create Maven jobs for nightly execution of regression suites in the Selenium environment.
* Tested custom win controls developed in C#.Net for compatibility and system integrity.
* Tested the encryption and decryption of login and Logout functionality that was developed in C#.NET.
* Used Java Utils Framework for Handling Multiple windows in Selenium WebDriver.
* Using Apache POI Java API created data-driven test cases in Selenium WebDriver.
* Develop scenario based testing for the JMeter scripts.
* Created and executed JMeter scripts for performance testing of portal.
* Performed Volume, Performance, Load and Stress testing using Load Runner
* Ran weekly builds using pom.xml on Jenkins.
* Used Jenkinsas a continuous integration server to run automated test suites.
* Debugged traffic between client and server using Fiddler.
* Developed automated scripts and frameworks using Java.
* Used core Java APIs to create and maintain automation framework in Selenium.
* Developed REST Web service for automation and created a web service framework.
* Conducted performance testing using JMeter.
* Performed back-end testing using SQL queries against Oracle to make sure that data entered has been uploaded correctly into the database tables.
* Extensively used JIRA for user stories, bug management and team communication.

**Environment: Java, Selenium Web driver, TestNG, .NET, MAVEN, Jenkins, Fiddler, Eclipse, REST, JIRA, Agile, HTML, CSS, JavaScript, SQL, Windows, UNIX.**

**Client: FedEx Irving, TX Aug 2018 – Nov 2020**

**Role: QA Engineer**

**Description:** FedEx Express invented express transportation and remains the industry's global leader, providing rapid, reliable, time-definite delivery to more than 220 countries and territories, connecting markets that comprise more than 99% of the world's gross domestic product.

**Responsibilities:**

* Analyzed the system requirements and developed detailed test plans and test cases and provided the documentation, collaborated with product management teams in an agile environment to develop a comprehensive set of tests for web-based applications.
* Designed Automation Test cases using Selenium WebDriver, Java, TestNG, Maven.
* Automated web services using REST API and Java.
* Used Selenium Grid to run test cases in multiple browsers and Platforms.
* Involved in testing of applications using the Scrum (Agile) methodology.
* Proficient in handling SOAP and REST calls using Java.
* Involved in integration testing of Informatica mappings, worklets, Workflows and Unit testing using UTF.
* Implemented a Continuous Delivery pipeline with Docker, Jenkins, GitHuband AWS.
* Knowledge of Web Development technologies in general, including HTML, CSS, JavaScript, AJAX, and XML.
* Created profiles in maven to launch specific TestNG suite from Jenkins job.
* Integrated Automation scripts (Selenium WebDriver API) in Continuous Integration tools (Jenkins) for nightly batch run of the Script.
* Involved in various meetings with Business analysts and Developers.
* Mobile automation of android and windows apps using Appium and SeleniumWeb driver.
* Supported the extraction, transformation and load process (ETL) for a Data Warehouse using Informatica.
* Created detailed QA and UAT cases to validate the quality of the application.
* Performed cross-browser testing (Firefox, Chrome with selenium scripts, all browsers manually).
* Converted existing Manual Test Cases (smoke, regression) into selenium test suites.
* Conducted Functional testing, Regression Testing using selenium with Data-driven, Key-word Driven framework.
* Responsiblefor conducting Benchmark test, Stress tests & volume tests against the application using LoadRunner.
* Strong experience with SOA architecture which include SOAP and Restful Web Services Testing.
* Tested on Web Services using WSDL and to check the communication between different services.
* Involved in testing of services using SOAP/REST services using SOAP UI, Groovy Script.
* Developed BDD Automation Framework using Cucumber tool and developed Feature files which includes Features, Scenarios and Step Definitions.
* Designed and documented REST/HTTP, SOAP API’s, including JSON data formats and API Versioning strategy.

**Environment: Selenium WebDriver, SQL Server, Git, Oracle, SOA testing, JAVA, Gherkin, Agile, Cucumber, JMeter, HP ALM Quality Center, BDD, Appium, End to End Testing, HP Loadrunner, Jenkins, UAT, SOAP UI, REST, JavaScript, Regression Testing, Maven, Eclipse, XCode, TestNG.**

**Client: Veyron Tech, India Nov 2014 –Sep 2016**

**Role: QA Automation Engineer**

**Description:** This project helps some of the brightest minds in technology, merchandising, marketing, supply chain, talent and more, we are reimagining the intersection of digital and physical shopping to help achieve that mission.

**Responsibilities:**

* Developed automated test scripts defining scenarios and procedures to test the application using Microsoft Visual Studio and Selenium Web Driver with C#.
* Developed the automation Test cases using NUnit Framework using Objects developed the Page Object Model Framework.
* Written new test Objects (with UI functions, and Business logic functions) in Selenium with C#.
* Updated Automation Test Cases based on New Changes in functionality.
* Involved in performing Functional and Regression testing, Staging/live testing of the application
* Performed cross-browser testing (Firefox, Chrome with selenium scripts, all browsers manually).
* Converted existing Manual Test Cases (smoke, regression) into selenium test suites.
* Followed version control standards with TFS. Utilized HP Quality Center (HP QC) as a bug tracking system.
* Delivered overall Test Summary reports from the Quality Center (QC).
* Involved in mapping the requirements to the test cases in QC.
* Performed database validation using SQL queries
* Using VBScript Performed Database Validation Testing using complex SQL queries.
* Involved in Performing the web services testing with SOAP UI by validating request and response for XML.
* Working knowledge on Azure cloud IaaS and PaaS Services, Azure SQL, Azure storage and Azure Services.
* Involved in testing of services using SOAP/REST services using SOAP UI, Groovy Script.
* Performed functional and regression testing in each sprint and UAT for each release to Production.
* Performed data driven testing by using JDBC and Groovy script as a data source in SOAP UI and configured SQL queries to fetch data from the Oracle database.
* Effectively Communicated testing status to QA lead, project managers, and teams who are involved in User Acceptance Testing.

**Environment**: **C#, SQL, NUnit, HTML, SOAP UI, Groovy Script, Quality Center, VBScript, HTML, MSWord, MS Excel, UNIX, Microsoft Test Manager, Oracle.**

**Client: Paxterra Software, India Feb 2013 – Oct 2014**

**Role: QA Analyst**

**Description:** Paxterra Software Solutions is a leader in providing industry solutions based on Microsoft Dynamics AX and Microsoft Dynamics CRM. It is a Security’s Application that helps to fully understand the vulnerabilities in applications, whether it’s a public website serving customers, a third-party supplier interface into corporate CRM or even stand-alone applications, because of this application Identify the flaws, vulnerabilities and risks that applications are subject to, based on their level of severity and provide better security.

**Responsibilities:**

* Interacting with Peers and Developers to clarify the issues related to Test Data, Test cases design Flow, Features, and Functionality of application
* Developing test cases, test scenarios and user flows for various platforms.
* Reporting services which cover Build information, Test results and progress, project management, agile reports bug with the help of TFS and Closely interacted with developers to fix bugs.
* Participated in Code Review, QA meetings, Project status meetings and Defect tracking meetings.
* Used Selenium Grid, NUnit test scripts to run automated test cases in parallel on 5 environments
* Maintained the Selenium Cucumber & JAVA automation code and resources in source controls like CVS, SVN over the time for improvements and new features. Converted Manual Integration tests into automated tests.
* Analyzed user change requirements and made necessary amendments to the test requirements.
* Involved in Manual Testing to develop test cases, test scripts and record bugs.
* Tested the whole program as well as specialized in several input applications.
* Prepared Test Plan, test Cases, Test scripts and Test Metrics for the application as well as for the database verification based on the functional requirements, portal redesigned and test specs.
* Extensively used SQL for backend testing.
* Involved in using Jenkins as a Continuous Integration server to configure with Maven.
* Created reports that included general overview, open bugs, new bugs, and enhancement requests. Entered new bugs and maintained the status of those bugs.
* Performed Backend Testing using SQL Queries on SQL Server database.
* Performed Back-End Testing, database table manipulations of relational database systems by writing complex SQL queries manually. Test execution and Defect management.
* Submitted Coverage Status Report of tests performed on a weekly basis.
* Traceability document update and Test management tool (Quality Center).
* Created Regression Document to track and report testing activities during each phase of testing, including testing results, test case coverage, required resources, logged defects and their status, performance baselines.

**Environment: Selenium Grid, Manual Testing, Quality Center, HTML, JavaScript, SOAP, Test NG, SQL, Oracle, windows, Selenium WebDriver, SOAP UI, Maven, TestNG, XPath, CSS Selectors, Eclipse, HTML, CSS, Quality Center, MS- Office (Excel, Word), Agile Scrum.**