**Kiran Kolluru**

**SDET/ QA Automation**

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Professional Summary: -

* Over 7 Plus years of Professional Experience as a Software Quality Assurance Test Engineer working on Manual & Automation Testing of Web, Mobile, Desktop Applications and client/server Applications in diverse domains providing extensive support in test planning, test development and test execution of projects both manually and using Automation tools – Selenium, Appium, QTP, Load Runner. Oops – Java, C#, Python, Protractor. Defect tracking tools – Quality centre, JIRA, TFS.
* Experienced with SOA, Web Services, SOAP, Ready API, Soap UI, RESTFUL, WSDL technologies.
* Exhaustive Experience in Designing & implementation of Automation Frameworks including BDD, TDD, data driven, keyword driven, and hybrid using Selenium WebDriver.
* Used Eclipse IDE to develop & debug the code.
* Experience in understanding the code written in different Scripting languages VB Script, Java Script and databases like Oracle, SQL Server.
* Extensive experience in using Automated tools like Ruby Cucumber test framework for Client/Server, Web and database applications
* SOA Testing, Validation and Virtualization, Extended Web Services Tests in a Low -impact way using CA LISA.
* Experience in design and development of BDD framework from the scratch by writing Gherkin Features-Scenarios using Spec Flow and Cucumber.
* Developed automated test scripts using QTP and test complete smart bear.
* JavaScript based test framework using cucumber JS, web driver IO, node.js, angular.js.
* Involved in setting of QA Test environment with simulated POS test environment.
* Experience in executing UI testing according to procedures and policies.
* Experience in developing test scripts using groovy for data driven testing of SOAP and REST Web service using SOAP UI.
* Experienced in SQA (Software Quality Assurance) including Manual and Automated testing with tools such as Selenium RC/WebDriver/IDE/Grid, HP Quick Test Professional and Junit/TestNG, Load Runner and Junit/TestNG, Load Runner.
* Involved in UAT, IT testing Environments, and testing Production migrations.
* Hands on experience in Quality Assurance including Functional, System, Smoke, Regression, and Integration, User Acceptance Test (UAxT) and Compatibility Testing of Web and Client server Applications.
* Experience in all phases of Software Testing Life Cycle (STLC), Software Development Life Cycle (SDLC), Bug life Cycle and Methods like Waterfall and Agile.
* Experience in Developing N-tire application using ASP.NET2.0/3.5, C#, VB.NET, JavaScript, VB Script, Ado.Net, Windows Form, Web Form Visual Studio .NET (2005,2008,2010), XML.
* Worked with .NET Server Controls, Web User Controls, Grid view, Form Validation Controls and Custom Controls.
* Expertise in documenting defects with high level of detail, accuracy, and informative recreation steps using Quality Center, JIRA, IBM Clear Quest, Bug Zilla.
* Worked on Amazon Web Services (AWS) infrastructure with automation and configuration management
* Experienced in load and performance testing tool JMeter.
* Sound knowledge on Junit, TestNG framework for Unit testing, Maven and Ant for Project Building tool, Jenkins/Hudson, Bamboo for continuous Integration and Deployment.
* Experience in Black box, White Box, testing and GUI testing with a complete QA cycle from testing, defect logging and verification of fixed bugs.
* Excellent analytical, problem solving, communication and interpersonal skills along with a good attitude for learning.

Technical Skills: -

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| Test Approaches | Waterfall, Agile/Scrum, SDLC, STLC, Bug Life Cycle |
| Testing Tools | Selenium (IDE, RC, Web Driver, and GRID), TestNG, JMeter, JUnit, Appium, Cucumber, Protractor, SoapUI, SOA, REST full, Graph QL, QC, ALM, Regex Tester, Sauce Labs, Coded UI, Spec flow, Fitnesse, HP Load Runner, Postman, test Complete, Apache POI, Test Complete, Test data management, Microsoft Visual Studio, AWS, Android Studio, HP UFT and QTP/UFT. |
| Testing Types | Component Testing, Integration Testing, Security Testing, Performance Testing, Regression Testing, Acceptance Testing |
| Frameworks | Keyword Driven, Data Driven, Hybrid, Page Object Model (POM), Hybrid and Modular Frameworks, BDD, TDD. |
| Build & Integration Tools | Maven, ANT, Jenkins |
| Programming Languages | C, JAVA, C#(.Net) JavaScript, Python, Groovy, VB Script, Ruby, Gherkin, SQL |
| Markup Languages | HTML, XML, XPath, CSS Selector |
| Databases | MySQL, Oracle, SQL Server, Mongo DB |
| Browsers | Internet Explorer, Mozilla Firefox, Google Chrome, Safari |
| Operating Systems | Windows XP/7/8/10, Ubuntu, UNIX, LINUX, Mac |
| Defect Tools        | HP Quality Center, JIRA, Rally |
| MS Office Tools  | Outlook, Word, Excel, PowerPoint, MS Access, Visual Studio |
| Utilities | IntelliJ, Eclipse, GIT, TFS, SVN, Fire Bug, Fire Path, Share point, WebEx., Visual Studio, Silverlight |

Education: -

* B.Afrom Dr.B.R.Ambedkar Open University, Hyderabad.

Professional Experience: -

**Automation Engineer/SDET (Dec2019 - Till Date)**

**Walmart**

**Responsibilities:**

* Developed and maintained automated regression test cases in FitNesse testing tool using C# programming language.
* Conducted training sessions for the Jr. Automation engineer’s by providing technical help and knowledge transfer sessions.
* Created a common project and add the common project as a reference to other projects in parallel
* Worked on supporting multiple projects and provided test reports
* Performed regression testing during Microsoft patching
* Designed and Developed Regression automation script and Automation of functional testing framework for New [Foresee Data Collection](https://www.foresee.com/privacy-policy/foresee-data-collection/) from Foresee Vendor using Web APIs
* Verify that the finished system can support the client's business processes
* Reviewed and understood user stories/ functional Requirements and various business requirements documents.
* Developing Test Fixture in the with API Design using API description tools such as Swagger, API blueprint, etc
* Designed and executed Test plans and Test cases according to product backlog and user stories for VIN Picklist
* Worked with BA and created design plan for new requirements
* Designed and Developed Regression automation script and Automation of functional testing framework for all modules.
* Used a Postman tool to test WebApi based architecture application to test Web services and Web API and validated them using C# Language.
* Identified and organized the plan for test data, strategy and the Scope of testing within the context of each Sprint.
* Gathered requirements from client and created test plans, Executions, and reports.
* Working with clients, understanding requirements, and translating to system configuration or development tasks.
* Provide over all testing plan and automation techniques for the regression testing
* Researched and implemented Katalon studio recording for Automation of front end UI applications.
* Identify client requirements and create JIRA tickets and create step by step documentation for development tasks
* Worked on creating, testing SFDC Service Cloud / GovCloud/ Case Management system
* Performed Sprint level testing, Functional Testing, Systems Integration Testing, UAT, and Regression Testing.
* Extensive analysis of the requirements and overall program
* Creating the Responders (Data) basing on the requirements from the Quoting Team
* Understanding the screen flow and business functionality
* Participated in daily Kanban Meetings, Scrum Meetings, Sprint Planning Sessions, Sprint Review and Sprint Retrospective Sessions.
* Interacted with developers, Business & Management Teams and End Users
* Prepared and provided status summary reports on system status, system changes, problems and potential impacts.
* Interacted with different integrations services like Rating, Motor Vehicle, Address validation and Document & Forms
* Created both positive and negative Test Scenarios
* Performed equivalence Partitioning and Boundary Value Analysis
* Collaborating with other DevOps engineers to maintain a deployment and management strategy - Assisting with creating and maintaining an automation and monitoring framework
* Tested various major functionalities like Credit, Pop, Foresee, Vin, and Renewals.
* Worked with developers by updating the defects and resolving them and tracking the status.
* Defects found during testing were logged in HP ALM (Quality Centre 11) and Later Moved to TFS.
* Queried database using SQL queries to ensure data integrity and to validate the inserted and updated data
* Tested business integration between internal and external systems in a SOA.
* Discussed with the team in identifying regression areas that can be automated
* Provide on-call support for External Data platform
* Executed test scripts in for regression testing to ensure the quality of the system
* Maintained SharePoint to check if all the requirements are implemented and Tested according to entry/exit criteria.

**Automation Engineer/SDET**

**Ameriinfo Vets, Inc – San Jose, CA December 2017 – November 2019**

Responsibilities: -

* Worked in the agile environment with frequently changing requirements and features set. and understanding of web portal requirements.
* Participate in daily scrum meetings and provide daily updates
* Attend CM (Change management) meetings for the new releases and provide an estimate for testing.
* Worked closely with business analysts to get client-side requirements and build automation test cases
* Prepared Test Plans, Test Scripts and Test Cases based on functional specifications and user requirements.
* Developed and maintained automated regression test cases in Selenium WebDriver using Java programming language and TestNG Framework.
* Written gherkin and Ruby scripting automation test scripts to execute in Cucumber.
* Developed, Enhanced, and Maintained automated testing scripts java
* Designed test cases based on the use-cases and the complex business logic defined for each web-service or a message.
* Designed and Developed UAT Regression automation script and Automation of functional testing framework for all modules using Selenium and WebDriver.
* Create and maintain fully automated CI/CD pipelines for code deployment using Octopus Deploy and PowerShell
* Proficient in testing web-based applications, REST API Automation & Service Virtualization.
* Created C# based scripts for Selenium Web Driver with NUnit as automation framework.
* Used Selenium WebDriver APIs for writing Junit test suites and test cases for testing functionality.
* Extensively used Selenium (data-driven, XPath locator) and WebDriver to test the web application.
* Have participated in all level of product design, worked with product manager, product development team and end user.
* Based system. Perform various development activities for DevOps practices for the project, including continuous integration, continuous delivery, continuous testing, and continuous monitoring. Design continuous integration best practices for the development team using Docker, Ansible, and Jenkins
* Exported test case scripts in Eclipse IDE and modified the Selenium scripts and executed; Prepared automation test framework (Junit and Maven). And worked on acceptance testing using Cucumber.
* Performed back-end validations using SQL statements against Oracle Database.
* Extensively used Groovy scripts for test report application output.
* Used Page Object Model (POM), UI Mapping, Selenium Manager, Data Driven using CSV, CSS Selectors as a part of Framework. Based on page library, developed Selenium test cases in Java using TestNG framework.
* Implemented and worked on Acceptance Test Driven Development (ATDD) agile methodologies completing releases ahead of schedule.
* Worked on agile scrum methods for BDD.
* UI validation i.e. tested AngularJS based application using protractor.
* Extensively used Selenium (data-driven, XPath locator) and WebDriver to test the web application.
* Utilized various test tools for automation of test cases Generate test reports and performed extensive Web Services testing using SOAP UI.
* Performed regression tests using test complete.
* Used Python to develop automation framework to validate Rest full web services
* Used SOAP UI and Postman tool to test SOA based architecture application to test SOAP services and REST API and validated them using Groovy scripting.
* Used Clear Case, Subversion for code repositories and Maven for the dependencies.
* Used JIRA to track the tasks and issues, attended daily status meetings to update the status of work.
* Used Git as code repository and Code Collaborator to manage code reviews.
* Performed Back-End Testing, database table manipulations of relational database systems by writing complex SQL queries manually.
* Knowledge in testing **SOA Architecture**, **Web Services, Network protocols (VOIP, TCP/IP),**
* Participated QA weekly meetings and various other meetings and discussed Enhancement and Modification Request issues and defects in the application.

**Environments:** Selenium WebDriver, Jenkins, JAVA, Python, SOA, Postman, CI/CD, Groovy, Cucumber, JQuery, SOAP UI, Maven, JMeter, jerkin, Ruby, Cucumber, Protractor, BDD, Test Complete, TestNG, Page Object Model (POM), Quality Centre, XPATH, Eclipse, TDD, Agile, GIT, SQL, Jira, Windows.

**QA Engineer/Mobile Tester**

**Equinix – Redwood City, CA Sept 2015 – November 2017**

**Responsibilities: -**

* Analyzed the specifications from Business view and Functional view of the application. Participated in project kickoff and sprint planning meetings doing planning poker.
* Participated in daily Scrum meetings, discussed with Business Analysts and Developers about requirement gaps, defects and blocking issues.
* Took a leading role in mobile testing using Appium for testing client's mobile apps on the Android and iOS platforms.
* Worked on POS self-check-out / POS QA Testing was involved in setting of QA Test environment with simulated POS test environment.
* Tested different functions of the POS system like scanning, payments and returns. Moreover, make sure that the system met the requirements and expectations.
* Tested Mobile Applications using various devices, Emulators and Simulators (such as XCode, iOS simulator and Experience in iPhone using iPhone SDK, XCode & Objective C.
* Created and execute on test plans, test strategies, and test cases for client-facing web applications and related back-end systems using HP QC (ALM 11.5) and performed site admin activities as required like ‘Create & Maintain domains, projects, users’, assigning users to diff domains & projects, generating passwords.
* Implemented test automation scripts for mobile testing using Appium for Android and iOS applications.
* In this role, I am responsible to manage Service Virtualization program across multiple applications and ensure provide virtual environments as per project needs, track ROI and support CI/CD/Agile transformation.
* Performed testing of pin pads/ credit /debit cards while validating POS systems accordingly.
* Developed Manual test scripts for different test scenarios covering all aspects of project functionality using JIRA Defect Management, Team Foundation server.
* Familiarity with embedded systems design, low-level hardware interactions.
* Developed and Executed Automation and Manual test cases for Functional testing of various modules of the application.
* Proficient in continuous Integration testing using **Maven, Jenkins, GIT**
* Checked the data flow through the front end to backend and used SQL queries, to extract the data from database.
* Identified the defects in early development stages and saved cost of quality

**Environment: -** Selenium, Agile, TestNG, Maven, Cucumber, Jenkins, SOUPUI, BDD, TDD, HTML, XML, XPath, Rally, POS, Appium, Quality Centre, Firebug, SQL, PLSQL SQL Navigator, Oracle, UNIX, Windows.

**Automation Tester**

**Kimbia – Austin, TX July 2013 – Aug 2015**

**Responsibilities: -**

* Strong knowledge on the SDLC, STLC models such as Waterfall and Agile (SCRUM) methodology
* Used Agile methodology in developing the application, which includes iterative application development, 2 week-sprints, daily stand up meetings, Sprint Retrospective, Sprint Planning, Story Estimates and customer reporting backlogs(bugs).
* Involved in defining test automation strategy and test scenarios, created automated test cases, test plans and executed tests using Selenium IDE.
* Created C# based scripts for Selenium Web Driver with NUnit as automation framework.
* Vast experience with systems integration testing applications developed for the .NET platform
* Developed application logic using C#, Power Script, VB .NET.
* Identifying the correct GUI web elements by using different types by locators like Id, Name, Link Text, CSS, DOM, and XPath.
* Cucumber used as a secondary Tool for entire Regression Testing and Functional Testing with primary tool as Selenium.
* Developed and maintained automated regression test cases in Selenium Web Driver using C#.
* Automated a data driven approach for creating journals with indefinite number of rows in the Journal template excel application in Coded UI Automation Prototyped test automation for the CODIS application using Coded UI and UI Automation.
* By using VB Scripting created test scripts in test complete automation tool for regression testing.
* Converted C# based web application into a web service for Integration and tested using Soap UI.
* Analyzed the performance and load testing of the application through JMeter.
* Performing Claims validation of facets application as required.
* Using test Complete generated and executed VB Scripts.
* Provided interface between Excel sheets and selenium through Apache POI API.
* Involved in Web Services Testing using SOAP UI Tool.
* Knowledge in testing SOA Architecture, Web Services, UDDI, Network protocols (VOIP, TCP/IP).
* Configured ANT builds scripts to run tests, develops reports and sends notifications.
* Conducted backend testing to validate and retrieve data from Database using SQL queries for executing user specific Test cases.
* Developed Unit Test Plan and Test cases by working with business clients. Conducted Unit Testing and Functional Testing.
* Maintained web portal and tested before deploying to usability and functionality.
* Used Ant for building the WebDriver project and Integrated with Continuous Integration tools Jenkins for running tests automatically.
* Develop/execution of automated scripts using Microsoft custom .NET framework in VSTS.
* Participated in Walkthroughs and Defect report meetings periodically.
* Supported User Acceptance Testing (UAT).
* Defect tracking, reporting of test suite, project progress is monitored through TFS.

**Environment: -** Agile, Selenium IDE, Selenium WebDriver, SOA, C#, VSTS, Facets, Intellij, Test Complete, Coded UI, ANT, TFS, JMeter, Silk Performer, PLSQL, and LINUX.

 **QTP/UFT Tester**

**Red Bus, Bangalore, INDIA Dec 2012 – June 2013**

**Responsibilities: -**

* Developed this project using Waterfall methodology. Involved in identifying the manual test cases for automation.
* Maintained the Test data documentation based on business functions.
* Executing test cases, ad-hoc product testing, reporting bugs and reporting tester status, writing test scripts, test automation using diverse testing tools like QTP/UFT and Load-Runner.
* Extensively used QTP/UFT integrated environment like Data Table, Actions, and Recovery scenarios.
* Developed automated test scripts and parameterized QTP Scripts for Regression testing using QTP.
* Enhanced and created QTP/UFT scripts using reusable actions, parameters and check points.
* Responsible for testing and implementing service-oriented architecture components.
* Parameterization of test scripts in QTP to avoid duplication of input using Excel. Worked with bug tracking tools like Quality Centre.

**Environment: -** Waterfall, QTP / UFT, Load Runner, Quality Center, Quick Test Pro, SQL, Web Logic, and Microsoft Excel.