**Chandrika Molugu**

QA Automation Engineer

**Professional Summary:**

* Overall 6 years of experience in Software Quality Assurance as an Automation Tester and

Manual Tester, in all phases of Software Development Life Cycle (SDLC), that includes designing, implementing test plans, test cases, test processes, conducting test review meetings, automation testing of Client Server and Web applications.

* Hands onexperience in **Java**, **Selenium**, **Cucumber**, **TestNG**, **Maven**/ANT, **Soap UI** and **Jenkins**.
* Experience in implementing different automation development efforts in **Agile/Scrum & Waterfall** environments.
* Experience in Smoke Testing, Functional Testing, Integration Testing, **GUI** Testing, Regression Testing, System Testing and **UAT**.
* Expertise in developing Automation Test Scripts using **Selenium WebDriver**, Java for web-based applications.
* Extensively created and documented Test Plans, Test Cases, Use Cases and Test Scripts in testing internet/intranet/client-server/stand-alone applications using XML, HTML, Java, J2EE and .Net applications.
* Conversant with all phases of Software Testing Life Cycle (**STLC**), Software Development Life Cycle (**SDLC**) in Requirement gathering, Analysis, Design, Development, Implementation, Testing, and refinement form of**V-Model**, **water fall, Agile/Scrum**, **CMMI**.
* Expertise in Automation tools such as Selenium WebDriver, Selenium IDE/RC, **Selenium** **Grid**, Java, **Jenkins** (continuous integration, Regression tests), **Maven** (Regression tests), **Eclipse**, **Cucumber**, TestNG (Regression tests) and **JUnit**.
* Good Knowledge in **OOPS** (Object Oriented Programming System) concepts
* Skilled in creating test harness, Test tractability matrix, test design, automated test scripts and defect reporting.
* Writing test plans and executing them to ensure full test coverage and quality product releases.
* Extensively involved in Front-end and Back-end Testing (Web Services and Databases) with either Test Driven Development (**TDD**)/Acceptance Test Driven Development (**ATDD**) and Behavioral Driven Development (**BDD**) approach.
* Expertise in performing **Black box, White Box, System, Functional, Unit, Integration, Performance, Security, Regression, Ad-hoc, End to End, (UAT) User Acceptance Testing and bug tracking system on both Windows and Unix environments.**
* Expertise in **RDBMS** backend testing for data validation and data integrity using Toad/SQL.
* Experience in Database testing by using **Oracle, MS SQL Server, SQL and PL/SQL Queries.**
* Generation of Bug (Defect) Reports, tracking the status of each defect (Open, fixed and New) and analyzing the bugs using Quality Center and PR-Tracer.
* Expertise in the usage of **HTML**, **Java Script, Java, DB2**.
* Experience in testing batch outputs and reports using **WinScp/Putty** on UNIX server.
* Extensive knowledge of using shell scripts for testing in **UNIX** environment.
* Excellent knowledge in writing unique XPath using firebug and fire path to identify web elements.
* Experience with source version control tool such as Git.

**Technical Skills:**

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| **Testing Tools** | Selenium Web Driver/IDE/GRID, Mercury QTP, HP Quality Center, JUnit, J meter, Cucumber, Firebug, Fire Path. |
| **Language/ Script** | Java, JavaScript, Ruby, VBScript (UFT) |
| **Frameworks** | Junit, TDD, BDD, Protractor |
| **Web development** | HTML, VB Scripts, XML, CSS, Flash, JavaScript |
| **Bug Tracking Tools** | HP Quality Center (9, 10, 11.0,1), HP Quick Test Professional (10, 11,11.5), Bugzilla, Visual Studio TFS (2008, 2010,), JIRA, Microsoft Test Manager (MTM) (2010, 2012, 2013). |
| **Databases Technologies** | MS SQL Server 2000/2005/2008/2012, OLAP and OLTP, Oracle 9i/10g, MS Access 2000, TSQL, Oracle PL/SQL, SQL\*Plus, TOAD, SQL\*Plus, SQL\*Loader, MYSQL, Elasticsearch |
| **Platforms** | Windows 7/Vista/XP, UNIX, Linux |

**Professional Experience:**

**Client: Anthem, Norfolk, VA Apr 2018 – Till Date**

**Role: QA Automation Engineer**

**Responsibilities:**

* Assessed & analyzed user stories and participated in Sprint planning, Review Sessions & Scrum Meetings and developed Test scenarios, Test cases, Test data, Test reports.
* Developed and Executed Test Scripts test scripts using Selenium WebDriver, TestNG, analyzed Test Results.
* Performed Functional testing as per user stories and also performed Integration Testing & System Testing using Selenium WebDriver automation scripts.
* Performed Parallel and Cross Browser testing on different browsers like Internet Explorer, Chrome, Safari and Firefox where multiple tests were run at the same time.
* Handled in handling Keyboard and Mouse Events, Accessing Forms, tables, and link, using Selenium Web Driver.
* Handled multiple windows, Alerts and Pop-ups with Selenium.
* Handled in testing with handling different methods of Select class for selecting and deselecting for drop down using Selenium.
* Performed Device, Platform testing using Desired Capabilities in APPIUM.
* Performed mobile testing using Android Studio and APPIUM while using UI Automator tool for location objects.
* Took the Application Screenshots and copied the images whenever exceptions occurred and at important checkpoints of application execution.
* Developed and Implemented Hybrid, Page Object Model/Data Driven Framework and extracted data from external Excel files using Apache POI and loaded into the variables in the scripted code.
* Configured the Test Cases to receive input Test Data Sets for the corresponding test cases using TestNG Data Provider Annotation.
* Managed individual sprints user stories and tasks using JIRA as tracking tool and agile tool.
* Used FireBug, FirePath to debug, edit and locate the objects based on ID, Name, XPath, Css Selector, Link, Partial Link, Attributes and Tags
* Performed BDD (Behavior Driven Development) using Cucumber Features, Scenarios and Step Definitions in Gherkin format.
* Managed the framework dependency jars using Maven.
* Maintained the Selenium & Java Automation Code and resources in source controls like GIT for improvements and new features.
* Performed black box testing, database testing, and web-based testing on several test phases. Developed components for each transaction used in the test script or scenario by using Selenium.
* Involved in Web services testing using SOAPUI Tool. Validated request and response XML.
* Added assertions to validate the XML in Web services SOAP and RESTFUL service.
* Used GitHub as a source repository system to share code within the office as well as with the team in overseas.
* Managed the project build and the project dependencies using Maven.
* Interacted with the development configuration and operation's team to ensure the quality of software to user expectations.
* Verified the integration of various components in the application and executed end-to-end testing.
* Participated in Release Review/Requirement Analysis and Design review meetings.

**Environment:** Selenium WebDriver, Selenium IDE, Jenkins, SoapUI, HTML5, XML, JIRA, Microsoft Office, Cucumber, Eclipse, Maven, APPIUM, TestNG, Agile, Gherkin, Oracle.

**State Farm, Bloomington, IL Sep 2016 – Mar 2018**

**QA Automation Engineer**

**Responsibilities:**

* Analyzed the system requirements and developed detailed test plans and test cases and provided the documentation to develop a comprehensive set of tests for web-based applications.
* Participate and contribute to agile ceremonies (daily stand up, backlog refinement, retrospective, etc.)
* Modifying Automation scripts when developers change the code in an Agile Methodology.
* Involved in Automating Test cases using **Selenium WebDriver, Eclipse,TestNG** and **Java** in windows platform to cutdown the regression time.
* Involving in analyzing system specifications, design, development and execution of test plans and test cases for manual and automation testing.
* Developing Test Scripts to implement Test Cases, Test Scenarios and features for **BDD**(Behavior Driven Development) using **Cucumber**.
* Used **Gherkin** languages to write features and scenarios
* Automated **AngularJS** application module using **protractor** and **Jasmine** and created specs for various functional scenarios.
* Perform and validating positive, negative, system and cross-browser testing.
* Coordinate **end-to-end testing** efforts among different agile feature and system teams.
* Creating modifying and enhancing both manual test cases and Test scripts created in Selenium WebDriver.
* Designed and documented **REST/HTTP, SOAP API’s**, including JSON data formats and API versioning strategy.
* Writing SQL queries for backend testing and verifying that the database updates, inserts, deletes, etc. the records and validate them using **SQL Developer, Oracle databases**.
* Tested the various **Service Oriented Architectures (SOA)** spanning across various **web services** using SOAP and WSDL across various applications using **SOAP UI**.
* Logged the errors, reported defects, and tracked the defects using **JIRA** until resolution.
* Upload the TC’s into **ALM** and updated their status accordingly as we execute them.
* Used Java language and **TestNG** framework for scripting. Used **Maven** for building the WebDriver project. Integrated with Continuous Integration tools **Jenkins** for running test on nightly basis automatically.
* Working closely with Product Owners and Developers to ensure application development meets with the user expectations.
* Raise any impediments in daily scrum call which affects the project deliverables.
* Performed and executed test suite, prepared reports and other supportive documentation to contribute to establishment of standards and procedures for software testing.

**Environment:**Selenium WebDriver, SOAP UI, Oracle, XML, Java, HP ALM/QC, Windows, Eclipse, TestNG, Cucumber, Maven and Jenkins.

**Franklin Templeton, New York City, NY** **Sep 2014 to Aug 2016**

**QA Manual Tester**

**Responsibilities:**

* Created test plan for requirement document.
* Discussed test cases in test case review with meeting BA, PM, QA lead with and other team leaders.
* Analyzed user requirements, attended change request meeting to document and implemented procedures to test changes.
* Designed test cases using selenium WebDriver with TestNG.
* Performed manual testing with different modules of the application.
* Used cucumber for regression, Functional, System and user acceptance testing with selenium as primary tool to the test scenarios, Test cases and Test conditions identified
* Used boundary value analysis technique to validate the test values.
* Writing test script to automate regression testing.
* Generate the defect reports for review by the development team.
* Wrote SQL queries for back-end testing/database testing.
* The entire java scripting done using cucumber framework wrote and execute SQL queries to verify the data updates to tables and ensure data integrity.

**Environment:** Manual Tester, Java, Quality Center, MS visio, HTML, CSS, JavaScript, SQL, VSS, Windows XP.

**Client: Cybage, India Sep 2013 to Aug 2014**

**Role: QA Manual Tester**

**Responsibilities:**

* Experienced in the use of agile approaches, including writing extensive User Stories.
* Participated in Agile ceremonies.
* Facilitated the development team.
* Experienced in working in a T-shaped environment.
* Used SQL to Query Databases and perform various validations.
* Reviewed Design documents, Requirements analysis specifications.
* Developed and executed test cases.
* Identified and documented issues, risks and gaps (descriptions, impact).
* Created Epics, High level User stories. Also, participated in Product Backlog Refinement sessions.
* Used FitNesse for automation testing.
* Facilitated sprint planning sessions, conducted sprint reviews [retrospect] and demo the final product at the end of the sprint.
* Skilled in gathering and consolidating User Requirements, interpreting them into data, functional, quality and usability requirements.
* Communicated with both technical and non-technical users to determine business functionality and resolving issues.
* Kept a track of all UAT bugs/defects and helped the testers to resolve the issues and made a report of all the defects.
* Prepared the test plans and test cases for different functionalities involved in the application.
* Used Quality Center and JIRA as the test management tool for the maintenance of the test cases and to track the defects.
* Managed the defect management cycle using the HP ALM.
* Performed various types of testing like Functionality Testing, Regression testing and Smoke Testing.
* Trained new team members.
* Written Training Documents (CRU Release Notes) for operations.

**Environment:** .Net and Java, HP ALM 11,Quality Center 12, UFT 12.02, JIRA ,SQL Server, Windows 7, Windows 10, TortoiseSVN, GitHub, FitNesse, Onbase, eFlow.