**Pratap**

**Sudarshan.Kaspa@catamerica.com QA Automation Engineer**

**(848)-(300)-3492 Visa : H1B**

**Summary :**

* Over 8+ years of experience in all phases of Software Testing Life Cycle (STLC).
* Expertise in developing Automation Test Scripts using Selenium WebDriver, Java, Cucumber, TestNG.
* Experienced in implementation of different QA methodologies, plans and strategies in Software Development Life Cycle (SDLC) and Software Testing Life Cycle (STLC).
* Configured Selenium WebDriver, Pytest, Robot, PIP tool and created selenium automation scripts in python.
* Extensive experience of Smoke, Functional, Unit, Integration, Regression, Black Box, GUI, Back-end, UI Testing, Browser Compatibility testing, Python, Selenium, Robot Frameworks, Jenkins, Pytest.
* Involved in building automation framework using Selenium WebDriver, Python, Pytest, Jenkins, Pycharm
* Proficient in implementing Waterfall, Agile (Scrum/Kanban) Methodology by analyzing requirement specifications and responsible for developing test scenarios, plans, test cases, strategies, scope, test procedures and test matrices.
* Extensive experience in various Agile Ceremonies like Daily Scrum, product backlog grooming, sprint review meeting, sprint retrospective meeting.
* Having experience in testing both SOAP and REST API services using SOAP UI, Postman, Rest Assured, tested Webservice automation using Soap UI and tested web services manually using POSTMAN.
* Proficient in Visual Studio, Selenium WebDriver and TestNG.
* Expertise in automation tools such as Selenium (WebDriver, IDE/RC).
* Developed Test Scripts to implement Test Cases, Test Scenarios and features for BDD (Behavior Driven Development), TDD (Test Driven Development) using Cucumber.
* Expertise in using Apache POI for data driven frameworks, to load data into required test scripts from external sources like excel sheets.
* Excellent experience on Unit Testing Frameworks like JUnit and TestNG .
* Implemented Action class in selenium to handle mouse and keyboard actions. Experience in testing and handling different frames (frames, iframes) of a HTML page with having different DOM's for every iframe.
* Implemented the selenium synchronization using implicit and explicit waits.
* Proficient in working with Selenium Grid to specialize on running multiple tests across different browsers, operating systems, and machines in parallel.
* Effectively involved in Defects Logging, tracking and managing Defect Life Cycles using HP Quality Center, Rally and JIRA.
* Expert in logging framework Log4j written in Java to store the flow details of Selenium Automation in a file or databases.
* Have knowledge on Soap and Restful web services testing using SOAPUI, Ready API tool, XML, WSDL and XPATH.
* Expertise in Continuous Integrations and Continuous Deployment (CI/CD) processes using Jenkins in combination with Maven.
* Have hands-on experience in groovy scripting with SoapUIPro and Ready API testing web-services.
* Skilled in Coordinating with Project Managers, Business Analysts and System Analysts to set up the pre-validation and validation environment to execute the scripts.
* Ability to work effectively as an individual contributor and an excellent Team player.

**Technical Skills:**

**Testing Tools** Selenium Web Driver, TestNG, Cucumber BDD, QTP.

**Operating Systems** Windows, Linux/ Unix

**RDBMS** Oracle, SQL Server, MySQL, PostgreSQL

**Bug Tracking Tools** Quality Center, JIRA, HP ALM

**API Testing:** SOAP UI, Postman

**Testing Methodologies** Waterfall, Agile-Scrum

**Test Framework** TestNG, JUnit, Selenium, Cypress, Cucumber

**Databases** SQL Server, MySQL.

**Types of Testing** Manual Testing, UI Testing, Integration Testing, Regression Testing, Black Box Testing, White Box Testing, Functional Testing, Performance Testing, Migration testing and Ad-hoc testing

**Education Details:**

* Bachelor of Technology (B-Tech)-GITAM University-2015

**Professional Experience:**

**QVC , West Chester, Pennsylvania Dec 2023 – Till Date**

**Role: QA Selenium Automation Engineer**

**Responsibilities:**

* Gathered and assessed requirements while collaborating with the Product, Design, and Engineering teams.
* Contribute ideas on functional requirements, product designs, test estimates, schedules, and possible hazards by taking part in product design reviews.
* Deep understanding of the Agile methodology; actively engaged in daily Scrum meetings, product backlog refinement, sprint planning, and sprint retrospectives.
* Expertise using Selenium WebDriver to automate regression test cases.
* Confidential discontinued daily stand-up calls and used the Agile Methodology for two-week sprints.
* Involved in designing of automation framework to be used in API testing with postman, javascript and json.
* Tested on several devices by automating the process with Selenium Grid.
* Took screenshots using TestNG listeners by implementing ITest Listener interface method on Test Failure and configured listeners in testNG.xml.
* Generated and customized test reports using Itest Listener and IReporters in TestNG
* Created Python based script for Selenium WebDriver with Pytest as automation framework
* Involved in building automation framework using Selenium WebDriver, Python, Pytest, Jenkins and Pycharm
* Generated, Parsed and Validated JSON and XML formatted data using Python script that received in response from REST API calls.
* Developed a DevOps as a service using Docker and Kubernetes deploy to Docker Cloud, Azure and OpenShift.
* Having working experience with cloud technologies including AWS API Gateway, Lambda, S3, Aurora with PostgreSQL, SQS and CloudWatch with SNS.
* Implemented unit tests for AWS Lambdas
* Integrated test automation frameworks with AWS Lambda functions for serverless test execution, optimizing resource utilization and reducing infrastructure costs.
* Accessing data from multiple file formats like .CSV, .PDF, excel sheets, web pages etc., using multiple scraping techniques like full text, Native and OCR in UIPath Studio.
* Implemented End to End Robotic Process Automation (RPA) using UiPath.
* Tested Webservices REST Api through Postman plugin on Get, post, push and delete options.
* Created automation test scripts using REST Assure plugin, integrated with TESTNG framework.
* Developed Docker Files and configuration scripts to spin the Devops container stack on demand.
* Depending on the situation, efficiently handled a variety of alerts by dismissing, accepting, and getting text.
* Accountable for writing the scripts needed to facilitate Jenkins' (Continuous Integration) integration of the build server scripts.
* Experience in Designing frameworks using different testing framework tools like TESTNG - JUINT (TDD), SPOCK - CUCUMBER(BDD), PYTEST-UNITTEST (Python DDT).
* Using Cucumber in Gherkins style, test scripts were created to implement test cases, test scenarios, and features for behavior-driven development (BDD) and test-driven development (TDD).
* The build scripts, test data, and other project-related materials were managed and maintained using GitHub.
* The smoke test was conducted using the TestNG unit testing framework, utilizing all available TestNG annotations efficiently.
* Worked on the database, API Testing and recovery scenario. Involved in creating unique execution jobs and new custom controllers for TOSCA.
* Strong practical knowledge of bug-tracking software such as Jira.
* Utilizing Apache POI, I worked on the Data-Driven/Page Object Model Framework, extracting data from external Excel files and loading it into the scripting code's variables.
* Extensively used test management tool like TestRail and JIRA to develop test cases, test scripts, executing the scripts and tracking the defects, Logging the defects and reporting the defect bug.
* I added several dependencies, such as Apache POI, TestNG, Maven-plugin-API, and others based on requirements while working on Maven for build and dependency management.
* Used RESTful web services and SOAPUI to test web services for functionality.
* Conducted parallel and cross-browser testing to make sure the apps function as intended across various browser conditions.
* Successfully Tested projects developed in Java, J2EE on UNIX and Windows based platforms.
* Used SQL for Data Validation and for creating Test Data.
* Expertise with Waterfall, V-Model and Agile SDLC processes. Working knowledge of UNIX, RDBMS and SQL queries. Experienced in Backend Testing and in Executing SQL commands.
* Hands-on Experience in JavaScript development and testing tools like Jest.
* Proficiency in UAT, System, Smoke, and Regression testing.

**Environment:** Java, Selenium, TestNG, XPath, Eclipse, Data Driven and Page Object Model Framework, Cucumber, SoapUI, MYSQL, GitLab, Oracle, Jest framework, Maven, Pytest, Api Testing, Jenkins, Agile/Scrum, Docker.

**Yokohama Tyres,Santa Ana, CA Jun 2023 – Dec 2023**

**Sr. QA Automation Engineer**

**Responsibilities:**

* Analysis of the requirements and the business requirements creating test strategies and plans, as well as designing tests carried out functional testing using Selenium WebDriver with Java to pinpoint some important application areas.
* Using industry-leading harness design patterns and methodologies, I worked on the construction of a test automation framework built with Selenium WebDriver, to handle TestNG and Maven technologies under the Java platform.
* Proficiency in Client/Server, Web-based, API and Application testing, both manually and automatically.
* Responsible for creating test scenarios for user stories and creating automation test suites using Selenium Webdriver, Pytest framework.
* Used POSTMAN to manually test the Restful web services/ API using POSTMAN and validated the responses.
* Experience in using Python libraries and frameworks such as pytest,
* Created Python Scripts to test REST API functionality for regressions setup.
* Used TestNG Parameter, TestNG.xml and Data Provider (Method and ITest Context.) for parameterization.
* Tested various processes that were migrated to AWS infrastructure including AWS API Gateway, AWS Lamdba and automated the test cases using requests library and integrated into Jenkins pipeline.
* Experience in Amazon Web Services (AWS) Cloud services such as EC2, EBS, S3, Cloud Watch, and Elastic Load Balancer.
* Worked with verifying ETL processes running AWS Glue and inserting into AWS Redshift database along with AWS Step
* Used UNIX commands for viewing errors in error log files, restarting the server, modifying files, etc.
* Used Linux/Unix commands for using GitHub.
* Integrated test automation frameworks with AWS Lambda functions for serverless test execution, optimizing resource utilization and reducing infrastructure costs.
* Created test code in Java with the TestNG framework, Visual Studio, and IDE.
* Automated API testing using tools like Postman or AWS API Gateway, ensuring the integrity and functionality of RESTful APIs deployed on AWS services.
* Created test frameworks in Selenium for automating UI regression tests and, if required, maybe running Java unit tests using TestNG.
* Created web UI tests using Cucumber, and Cypress Automation.
* Experience in parallel testing using Cypress.
* Developed a fully automated continuous integration system using Git, Jenkins, MySQL and Python.
* Before Agile release, configured Selenium WebDriver, TestNG, and Maven tool, and generated Java Selenium Automation scripts using JUnit.
* Installed, configured, and integrated automation scripts on Continuous Integration/CD technologies (Jenkins) for nightly suite execution.
* Created SQL queries and carried out Back-End Testing to validate data and ensure data integrity throughout migration.
* Conducted class, method, and Web Services testing through white box testing with TestNG.
* Participates in setting up Maven to run scripts and servers following builds.
* Contributed to the creation of a report detailing all Selenium issues and test outcomes for upcoming Maven applications.
* Automated test suites using Jenkins as a continuous integration server.
* Used web-debugging tools like XPath, Firebug, SelectorsHub, and Firepath to locate elements.
* Used Selenium's HTML IDs and XPATH to test the application's compatibility with both dynamic and static content across a range of cross-browser platforms.
* Constructed SQL scripts and prepared the data to cover a range of scenarios to validate record additions, deletions, and database updates.
* Maintained metrics and took part in weekly status updates outlining the testing effort's advancement and outstanding problems that needed to be fixed.
* Manually created test cases that were examined to confirm functionality.
* Participated in the Business Requirement Identification (BRI) meeting to gain insight into the business needs.
* Test data was updated, revised and verified in either new or old systems before testing.
* Created screenshot-based user documentation for UAT (User Acceptance Testing)

**Environment:**Java, Selenium WebDriver, Pytest, Jenkins, Cucumber, TestNG, Visual Studio, GIT, Jenkins, SQL and Windows, Gitlab, JMeter, Jest framework, Windows 7, JIRA, Postman.

**Google Operations Center , Hyderabad , India May 2020 – Jun 2023**

**QA Analyst**

**Responsibilities:**

* Assessed and analyzed user stories and participated in Sprint planning, Review Sessions and Scrum Meetings and developed Test scenarios, Test cases, Test data, Test procedures, Test reports.
* Extensive experience in performing business functional and non-functional of Manual Testing at various stages of SDLC.
* Provide the feasibility analysis and effort estimation of the test cases for automation.
* Involved in developing of Hybrid Driven Framework to test the web application and used Maven build tool to implement the framework dependency jar files.
* Analyzed and measured the performance of the application using JMeter.
* Used Selenium as the automation tool and JIRA as the defect management tool.
* Setup testing environment and maintain framework using python
* Developed automated scripts and frameworks using Python
* Performed BDD (Behavior Driven Development) using Cucumber Features, Scenarios and Step Definitions in Gherkins format.
* Performed API Testing by using REST Assured library in Java.
* Automated test suites using Selenium TestNG Framework.
* Implemented in Grouping of Test Cases, Test Methods and Test Suites for regression and functional testing using the TestNG annotations like Groups, Parameter, Data Provider and to generate reports containing test results using listener’s annotation.
* Automation Web Services using Rest Assured using java in Eclipse.
* Implemented and maintained the monitoring and alerting of production, corporate servers and storage using AWS cloud watch for efficiency.
* Performed Cross browser testing to test whether the web applications are working as desired in different browsers and environments.
* Developed automation script for different Rest API for BDD-Selenium Framework using Rest Sharp.
* Expertise in running multiple test scripts at the same time against different machines, running different browsers and operating systems using Selenium Grid.
* Used Firebug, SelectorsHub, Fire Path to debug, edit and locate the objects based on ID, Name, XPath, CSS Selector, Link, Partial Link, Attributes and Tags.
* Implemented Page Object Model framework with Python and Selenium.
* Performed functional testing of Web Services using POSTMAN Tool.
* Automated Rest API Tests in Robot Framework.
* Handled various operations like pop-ups, Web-Alerts, Java-Alerts, I frames, windows-handling and utilized Select class and Action class for required operations.
* Wrote XPath expression for identifying dynamic object and handled Ajax requests using Synchronization.
* Used Apache POI to read data from Excel sheets and testing the test scenarios.
* Configured JDBC connections to retrieve data from database and performed back-end testing, database table manipulations of relational database systems by writing complex SQL queries with MySQL .
* Created test reports generated out of TestNG and captured the error screenshots.
* Used JIRA to track bugs and maintained the flow of iterations and stored the flow details of selenium automation in a file using Log4j.
* Performed UI and API testing using Cypress and created from framework from the scratch.
* Proficient in configuring Jenkins to perform required tasks by specifying path of version control and hardcoding the operations to be performed on it.
* Used GitHub as a source repository system to share code within the office as well as with the team in overseas.
* Involved in Web services testing using SOAPUI PRO Tool. Validated request and response XML. Added assertions to validate the XML in Web services SOAP and RESTFUL service.
* Performed Smoke, Functionality, Integration, System, Regression tests based on analysis and understanding of the requirements, non-functional specifications and end-user needs.

**Cognizant,Hyderabad , India Oct 2018 - May 2020**

**QA Automation**

**Responsibilities:**

* Performed smoke, sanity, functional and End to end testing. Prepared test data for positive and negative test scenarios as per application specification requirements.
* Responsible for periodic updating of Test Plans and Test Cases as per Requirement Specifications and Business rules.
* Developed and enhanced various test scripts using Selenium WebDriver to handle the changes occurred in the web elements during the build releases.
* Manually tested the functionality and developed automation test scripts to perform functional and regression testing.
* Designed Data Driven framework for reading the data from excel sheets using Apache POI (Page Object Index) library and TestNG data provider.
* Integrated ANT projects with Jenkins and scheduled jobs.
* Developed test code in Java language using IntelliJ and Involved in Unit Testing Using JUnit.
* Scripted tests and automated using Selenium IDE/ Selenium WebDriver at OS level for User Interface (UI).
* Implemented automation framework for Smoke Test to certain that the crucial functions of the application work, and implemented Regression Test to detect bugs after enhancement and configuration settings of the code.
* Integrated Automation scripts on Continuous Integration tool, Jenkins, for nightly batch run of the script.
* Worked closely with development team to resolve the defects and Testability issues throughout software testing life cycle.
* Utilized Firebug, SelectorsHub to identify CSS, XPath, Link Texts in the application to check the compatibility.
* Successfully wrote SQL queries to verify the database updates, inserts and deletion of the records using My SQL.
* Performed testing on Web Services such as SOAP and RESTFUL services using SOAPUI to check the communication between different services.
* Performed Cross Browser testing on different browsers.
* Used Rally for bug tracking and reporting and SVN as the version control tool.
* Regression testing was performed after each build release of the application using Selenium.
* Followed Agile testing methodology, participated in daily SCRUM meetings and testing each module.
* Involved in test approach & test case walkthrough, review with peers and test leads. The Work group consists of business system analysts, developers and architects.

**Regalix, Hyderabad , India Dec 2017 - Sep 2018**

**QA Automation**

**Responsibilities:**

* Involved in designing and developing test plans based on functional and technical software requirement specifications.
* Developed Test plans and executed Test Cases manually for the modules.
* Performed the Manual Testing of the application before switching over to the automation phase.
* Prepared Test Cases with the complete description of requirements, uploaded test cases and report results into Quality Center.
* Involved in testing the functionality and usability of the system from end user perspective.
* Used HP Quality Center for defect tracking and to report the bugs.
* Developed various reports and metrics to measure and track testing effort and maintained Requirement Traceability Matrix (RTM).
* During testing life cycle, performed different types of testing like System Testing, Integration Testing and Regression Testing.
* Used Test Director for requirement management, planning, execution, defects tracking and reporting.
* Involved in user acceptance testing & general site validations of web page objects such as HTML links & images.
* Used Test Director to keep track of bugs and test cases.
* Using Regression Testing and User Acceptance Testing.
* Performed Database Testing on Oracle Database, created SQL queries to validate the business logic and the database.
* Developed the Business Logic using Plain Old Java Objects (POJOs).
* Developed Graphical User Interfaces using HTML and JSP for user interaction.
* Used JavaScript for client-side validations, and AJAX to create interactive front-end GUI.
* Used JSON for data exchange between application modules along with XML.
* Used Spring JDBC Template and Spring DAO’s Support classes for JDBC.
* Created set of classes using DAO pattern to decouple the business logic and data.
* Used various Core Java concepts such as Multithreading, Exception Handling, Collection APIs to implement various features and enhancements.
* Investigated software bugs and interacted with the developers to resolve the same.
* Participated in weekly QA meetings and Bug review meetings with the Dev. and QA teams.

**GENPACT , Hyderabad , India Nov 2015 - Aug 2017**

**QA Automation**

**Responsibilities:**

* Established test objectives through in-depth study to fully automate features.
* Based on technical knowledge and software requirements, created, scheduled, and executed automated test cases.
* Created and expanded the existing test automation infrastructure to improve its efficiency in reporting and execution.
* Involved in writing SQL queries for Oracle, using Teradata SQL Assistant to write SQL queries, test cases to validate test results in both frontend validation as well as backend data-validation.
* Reporting on status and upgrading tests within the Quality Center.
* Created a Selenium test framework for automating UI regression tests,
* Design automation framework using Python, Pytest, Selenium.
* Created and carried out SQL database queries to ensure the integrity of the database data.
* Set up test data using SOAPUI (a Groovy script) in Test Driven Development.
* Test cases and scripts were updated by revised requirements, and regression testing was conducted using QuickTestPro.
* Software capability and dependability were determined by functional, system, regression, and performance testing.
* Test results were recorded and shared with the development team via gathering, evaluating, interpreting, and summarizing data.
* In cooperation with the development team, I helped reproduce, look into, and debug software problems.
* Worked in a fast-paced development setting with little supervision and responsiveness.
* Additionally, taught others the best methods for software testing.