# Santosh Pavan Kalidindi

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# OBJECTIVE:

A challenging position where in my vast experience in Quality Assurance, Manual and Automation testing tools like Selenium, Serenity BDD Framework, ETL & QTP across multiple technologies and Platforms.

# SUMMARY:

* A highly competent and results oriented Automation Analyst with 9+ years of experience in Manual Testing, Selenium, QTP & Protractor Automation tools.
* Expertise in open source automation tools: Selenium WebDriver, Robot Framework Serenity BDD Framework, JUnit, TestNG**.**
* Proficient in developing and executing high quality Test Plan, Test Scripts, Test Cases from Requirements documents, Functional specification, Detail Design Documents.
* Developed API proxy and configured for Microservices and API keys, configure deployment of REST API.
* Expertise in designing automation scripts by using Serenity BDD framework in Java and Robot Framework in Python.
* Hands on experience with Core Java, Java/J2EE, JSP, Spring Technology Stack, Adobe CQ, WebSphere Application Console and Server, Rest Web Services.
* Worked extensively on spring modules and concepts such as Inversion of Control (Dependency Injection), MVC, JDBC Template and AOP. Possess strong knowledge in Java/J2EE design patterns.
* Worked on web frameworks such as Struts and other application servers such as Bea WebLogic, also view technologies such as Freemarker.
* Possess hands on experience with UI technologies such as JavaScript, JQuery, HTML and CSS and various content management tools.
* Implemented GCP cloud Functions in Python for Data Pipelines to transfer data from GCP to AWS.
* Possess good knowledge on build automation tool such as Maven and continuous integration tools such as Jenkins.
* Worked on Visio design tool. Possess good working knowledge on IDE’s such as Eclipse, Spring Tool Suite and PL/SQL
* Developer, Splunk logs, Aqua Data Studio.
* ETL (extract, transform, load) pipelines are essential for moving data between different systems. However, if ETL pipelines are not properly tested, they can lead to data errors and inconsistencies.
* Possess working knowledge in PL/SQL, Stored Procedures, cursors, Indexes and triggers in Oracle.
* Possess good knowledge on writing automated unit and integration test cases using JUnit, Mockito for mocking and also have experience of using Selenium.
* Experienced in Rest Web Service development for both Xml and Json datatypes using Advanced Rest Client. Possess fair knowledge on SOA and REST architectural style and design principles.
* Have knowledge of some basic UNIX commands and AWS.
* Hands on experience in JavaScript and TypeScript programming languages
* Optimized the ETL workflows to improve efficiency and performance
* Experience in writing Acceptance criteria in Gherkin, Feature Files and Step definition using Ruby.
* Experience in black box, gray box and automation testing using Selenium, TestNG/Junit on web and client applications. Rational functional tester using Java.
* Skilled in performing load, stress and performance testing using Apache JMeter.
* Involved in developing the automation script for Java.
* Good experience in mobile testing using Appium in both IOS and Android applications using simulator and emulator.
* Created Automated scripts - Load Runner Web Services, Soap , XML.
* Developed and executed Non-functional testing such as performance, load, stress, stability, and security testing using Load Runner.
* Experience in testing API using Rest Assured and Karate Framework.
* Proficient in JavaScript libraries such as D3.js integrating them with React.js.
* Experienced in performing Continuous Integration (CI) and Continuous Delivery (CD) automation using Jenkins tool for

scheduling the jobs and expertise working on configuration management tools like GIT.

* Extensive experience with MySQL, T-SQL, MS SQL, SQL Server, Oracle Database.
* One notable accomplishment in my ETL experience was the successful extraction and transformation of data from Ericsson Charging to the source system. This involved designing and implementing ETL procedures, analyzing and investigating data, and ensuring seamless data loading for future use.
* Excellent knowledge in writing unique XPath using firebug and fire path to identify web elements.
* Experienced in performing Data driven testing to validate the components displayed on the website using Selenium regre.
* Automation testing tools – Selenium, Cypress, Appium, TestNG and any one of commercial tools – UFT, ReadyAPI or SoapUI Pro.
* Experience working UI framework under QNX.
* Expert in Testing & Automation of Test Scripts in Ready API using Groovy scripting.
* Experienced in Selenium Data-Driven Framework with core Java programming.
* Expert in debugging various issues occurred in Web application & web page on the browser and backend using Firebug.
* Expertise in Smoke Testing, Backend end Testing, Black-Box Testing, User Acceptance Testing (UAT), Functional Testing, Positive/ Negative Testing, System Testing, Regression Testing, GUI Software Testing, Ad-hoc Testing, Boundary Value Testing.
* Worked on version control tools like SVN, Git, GitHub and WinCVS.
* Well versed with complete Software Development Life Cycle (SDLC) of both Agile Scrum and Waterfall methodology

# TECHNICAL SKILLS:

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| --- | --- |
| **Testing Tools** | Selenium WebDriver, Selenium Grid, Selenium WebDriverIO, JUNIT/TestNG, Apache POI, Cucumber, Gherkin, Log4j, Postman, Insomnia, SQL Developer, Redis client, IntelliJ, Eclipse, Jenkins, Splunk, JMeter.JIRA, Selenium, Appium, Postman, SoapUI, VSTS 2015, MTM, Specflow, VSO, TFS, ALM, QC,Octane, Rally, Jenkins, Git, Github, Swagger, Postman, Load runner, Soup UI, and Rest Assured |
| **Languages** | Java, SQL, JavaScript , C++, Python, JavaScript, C# |
| **Test Framework** | EDISON, CODED UI, CRM Framework (for CRM Applications) and Selenium, TestNG. Cucumber, Mavin, Appium, Tosca Automation |
| **Project Methodologies** | Agile-Scrum, Waterfall, V-Model,Agile, Waterfall, Scrum |
| **Defect Tracking Tools** | JIRA, BugZilla, Rally, Jama Software, HP ALM/Quality Center, IBM Clear Quest |
| **GUI Tools** | Visual Basic 5.0, MS Visual Studio 2005/2008/2010, VSTS |
| **Build Tools** | Ant, Maven, Jenkins, CI and CD. |
| **Web Services/API** | Rest Assured |
| **Continuous Integration Tools** | Jenkins, Hudson, Cruise Control, Subversion, Maven, GIT/Bit Bucket, SonarQube, PCF |
| **Version Control** | Git, GitHub, CVS and TFS. |
| **Databases** | Oracle, Redis, MySQL Server, MS Access |
| **Operating Systems** | Windows, Linux, Mac OS |

#  EDUCATION:

#  Jawaharlal Nehru Technological University, Bachelor of Engineering , India ,2010-2014.

 **University of Central Missouri, Master of Science, USA, 2019-2020**

 **PROFESSIONAL SUMMARY:**

 **Client : Volvo Cars Sept 2022 to Present**

#  Role : Sr.QA//SDET Engineer

#  Tools : Selenium, SoapUI, JMeter, Appium

#  Responsibilities:

* + Create Gherkin automation test scripts for functional, web service and database testing using Java 8, Spring, JSON.
	+ Execute tests from Java IDE and improve test coverage iteratively as new features become part of regression and other

 test cycles.

* + Participate in developing and documenting User Stories, including testing estimates and validation tests using tools like Jira, IntelliJ, Cucumber, Gherkin, Postman, Swagger, Gradle, Mvn, Splunk, Git, Stash, Amazon web services (AWS)
	+ Developed BDD tests using Cucumber by writing features and Developed Required Selenium support code in Python for Cucumber
	+ Configured Selenium WebDriver, PyTest, pip tool and created selenium automation scripts in python.
	+ Develop code for web automation testing using Cypress, Selenium and Protractor framework, JAVA, JavaScript and JSON.
	+ Develop automation scripts on web applications designed with Cypress Web Services, BDD, SOAP, XML, HTML, JavaScript, VB Script, Python, Java
	+ Designed and implemented a scalable architecture on GCP for a web application, utilizing Google Kubernetes Engine (GKE), Cloud SQL, and Cloud Load Balancing.
	+ Perform backend testing using Katalon Studio and SQL queries on NoSQL Booster for Mongo DB
	+ Automated UI and Functional &amp; Web UI test cases by creating test artifacts like test cases, test suites, test suite collections and executed the same across multiple desktop and mobile browsers and test environments in Katalon Studio and Selenium WebDriver using TestNG framework.
	+ Unit tests are used to test individual components of an ETL pipeline. For example, a unit test could be used to test a transformation that converts data from one format to another.
	+ There are a variety of third-party QA tools and services available that can be used with GCP
	+ Committing the developed code from terminal using Git commands. Creating branches and tagging the code. Using Stash for code maintenance.
	+ Managing the team during release and migration process.
	+ Perform REST webservices setup and testing using Postman, checking in Swagger.
	+ Develop automated tests for features developed in-sprint.
	+ Creating automation Jenkin jobs and running them for regression testing. Expertise in writing automation scripts using JAVA and Groovy
	+ Performed testing web services with REST Assured, SoapUI, JAXB.
	+ Maintaining and running the code between develop, master, prod branches and merging them using Git commands.
	+ GCP offers a variety of built-in QA tools and services, such as Cloud Monitoring, Cloud Logging, and Cloud Profiler. These tools can help you to monitor your applications' performance, identify errors, and debug issues.
	+ Participated in major phases of Software Development Life Cycle like Functional Specification Documentation preparation, Code Development, Testing and Implementation
	+ ETL pipelines should be tested to ensure that they can handle the expected volume of data. This can be done by running load tests against the ETL pipeline
	+ ETL pipelines should be tested to ensure that they are not introducing errors into the data. This can be done by comparing the data before and after it is processed by the ETL pipeline.
	+ Implemented test automation scripts for mobile testing using Appium for Android and iOS applications.
	+ Developed automation scripts for Mobile Native applications on iOS and Android Experience in **Back End testing using Groovy Script** using Appium and 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)
	+ Implement test automation framework into CI/CD pipeline using TFS and TeamCity .
	+ Developed Automation Framework for VT MVP project using LeanFT and NUnit which integrate with TFS for CI/CD**.**
	+ Integrated Appium with Sauce Labs for distributing tests on the cloud .
	+ Identified mobile elements using Appium Inspector, UI Automator Viewer
	+ Used Appium to facilitate mobile testing by creating mobile Driver class with the required Mobile capabilities.
	+ Good experience in mobile testing using Appium in Android applications using simulator and emulator.
	+ Designed and implemented a scalable architecture on GCP for a web application, utilizing Google Kubernetes Engine (GKE), Cloud SQL, and Cloud Load Balancing
	+ Extensively knowledge on Web Technologies like XML, HTML,AJAX, Spring Boot, JavaScript, CSS, Cypress also worked on various operating systems like Windows, UNIX, and Linux.
	+ Developed Web UI and API automated tests using Robot Framework, Selenium and Web Test library
	+ Extensive experience in Web front-end and back-end test automation using Java, JavaScript, Selenium WebDriver and

 Robot Framework Checking logs using Splunk.

* + Develop, document, and maintain the test strategy and test scenarios.
	+ These tools can provide additional functionality and features that may not be available in GCP's built-in tools.
	+ Partner with the developers to ensure all areas of the application are fully tested and issues are clearly logged and prioritized consistently.
	+ Checking databases and updating them using SQL queries.
	+ Partner with developers to find technical solutions for test automation.
	+ Manage the defect log and ensure issues are resolved, including validation of the fix.
	+ Certify software functionality for new Production releases.
	+ Work with Integration Build teams to manage dev, QA and production release of software.
	+ Provide exploratory testing to understand the feature and how it is implemented, to find additional or unexpected behaviour, and to refine and define additional test cases for the feature.
	+ Attending product release calls and migration calls between active and inactive environments and running Jenkin jobs to make sure everything is working fine.

 **Technologies:** Java 8, Java/J2EE, IntelliJ, Cucumber, Appium, Cypress, Gherkin, Node JS, React JS, REST web services, JavaScript Postman, Swagger, Jenkins, Cypress, Gradle, Python, Groovy, Mvn, Splunk, Git, Stash, Akamai server, Spinnaker, Google Cloud Platform, Spring Boot, GCP, Spring Microservices, Tomcat 7, Mockito,AWS, JUnit, JSP, JavaScript, DB2, Browser debugging tools, databases,

#  Client : CITI Bank Oct 2020- Sep 2022

#  Role : Sr.QA Automation

#  Tools : Selenium, Appium

#  Responsibilities:

* Documented test artifacts(Test Plan, Test Cases, Test Matrix) from design documentation and functional specifications
* Extensively automated regression and functional test suites by developing over 200+ test cases, 8 test suites using Selenium WebDriver, JAVA, TestNG.
* Created functional tests for web project (Java: Serenity, Selenide, JBehave, Maven, REST Assured)
* Implemented Hybrid framework from the scratch.
* Working with Java to use Selenium-Webdriver API library to write Automation scripting.
* Used Selenium Grid, Desired Capabilities, Remote WebDriver for distributing the execution in different machines, platforms and browsers.
* Used Eclipse to debug Java code and utilize Maven as Project Builder with internal Maven Dependency repository.
* Used Appium tool to develop automation test scripts on Android platforms for native applications on mobile devices.
* Used Appium for native, hybrid Mobile Application Testing for IOS and Android platforms**.**
* Used Appium for**.**
* Used Maven to configure the dependencies to run framework and GitHub for version control.
* Used Jenkins for continuous integration, to compile, build and set up run schedule.
* Performed exception handling using test Automation Framework, Cross platform test Automation try catch finally blocks.
* Developed test automation framework scripts using Python Selenium WebDriver,
* Implemented Page Object Model framework with Python and Selenium.
* Develop and maintain automated tests using Python and the Robot test framework.
* Developed entire frontend and backend modules using Python on Django Web Framework.
* Developed new test scripts for the regression and sanity testing & Execute the scripts.
* Prepared and executed test suite through TestNG via Ant and generated XSLT reports.
* Verify the Automated Test Result, and Logging the Defect in Mantis and updating status to the higher management.
* Using the Agile methodology and scripts will be prepared based on the Sprints/Stories assigned by the Scrum Master.
* Performed Mobile testing for devices like Android, Apple, iPad etc.
* Automation testing tools – Selenium, Cypress, Appium, TestNG and any one of commercial tools – UFT, ReadyAPI or SoapUI Pro.
* Prepared the SQL queries for database testing.
* For API testing, Created the SoapUI functional testcases and generating the test reports
* Integrated the SoapUI pro project with selenium to write test scenarios.
* Performed performance testing by using JMeter for measuring web application performance and Load Stress capacity.
* Develop and Design ETL test cases, scenarios, and scripts to ensure quality Data warehouse / BI applications.
* Participated in system walk-through and inspection meetings to understand the business rules and system operation flows.
* Having good experience in Hadoop and creating SQL queries.

 **Environment:** Selenium, Appium, REST API, Cypress , Cucumber, TestNG, SQL, Mongo DB, Oracle, Java and Maven,SoapUI,JMeter, GIT, Jira, Intelli J, AWS, Eclipse , Jira and Confluence

#  Client : Wells Fargo India Solutions Apr 2017 to Dec 2018

 **Role : System Analyst 3**

#  Tools : Selenium, Protractor tool & Manual

 **Responsibilities:**

* Designed the Automation test Scripts using Selenium Webdriver.
* Requirements gathering from the client & understanding the requirements.
* Prepared the Test plan document & Level of Estimation (LOE) document.
* Designed the test scripts using Selenium Webdriver and to handle the tests with Jasmine framework.
* Performed cross browser testing & Mobile automation testing on different browsers such as IE, Safari, Firefox, Chrome.
* Built python framework to transform Datasets and Data tables into HTTP-serializable JSON strings.
* Developed Python application for Google Analytics aggregation and reporting.
* Wrote python scripts to read and write from csv files to database using Django ORM.
* Runs the test by using Spec file and Configuration file and debugging the test scripts.
* Worked with the CI process to reduce risk by using tools like Jenkins, GIT etc.
* Integrated the SoapUI pro 5.0.0 p cdroject with selenium and cucumber(BDD) to write test scenario in a readable fashion.
* Used Java along with Robot Framework to write simple and faster running test cases.
* Mobile automation of android and windows app using Appium and Selenium Webdriver, Robot Framework.
* Create, manage and execute GUI & API automated tests in PyCharm using Python, Selenium and Robot Framework
* Created the SoapUI REST functional testcases and generating the test reports.
* Performed the load testing and stress testing by using JMeter Apache tool.
* Performed database testing by writing and executing SQL queries.
* Experienced with AWS migration by using cloud.
* Status reporting daily and weekly to the higher management and to client.
* Defect finding and logging the bugs in Jira tool for defect reporting system.

**Environment:** Selenium, Java, Shell Script,Python,WebDriver,Appium, REST API, Cucumber, TestNG, Oracle, SQL, Mongo

 DB, Java and Maven,SoapUI,JMeter, GIT,AWS, Jira, Intelli J, Eclipse , Jira and Confluence

#  Tech Mahindra Pvt Ltd Jul 2014 to May 2017

 **Client : Swisscom**

 **Role : Associate Software Engineer**

 **Tools : Selenium Webdriver, Manual**

 **Responsibilities**:

* Created and updated test scenarios, test plans, and test cases according to user story and design.
* Performed architect, design and develop test cases and test scenarios against business requirements that were scalable, maintainable, and extensible.
* Created a maintainable and reusable hybrid test automation framework.
* Maintained data driven Test Suites for subsequent Regression testing.
* Utilized Selenium Webdriver , Selenium-Grid with TestNG to perform cross browser Functional Testing for easier maintenance, reusability and readability of scripts using java.
* Perform Cross Browser Compatibility testing using FirefoxDriver, ChromeDriver, InternetExplorerDriver etc.
* Used Firebug and Firepath to identify object,Xpath,CSS Selector,ID,Name locators.
* Prepared and executed batch test suite through TestNG framework via Ant.
* Prepared the test scripts for multiple scenarios like Mouse Hover, Dropdown list, text identification etc.
* Used Cucumber BDD tool for developing the framework for the Acceptance testing.
* Used Selenium Grid, Desired Capabilities, remote WebDriver for distributing the execution in different machines, platforms and browsers.
* Used Maven to configure the dependencies and to run framework.
* Used Git as repository and Jenkins tool for continuation Integration.
* Prepared Test Plan, Metrics, and risk & mitigation for all the major releases.
* Worked on the QC Customization for tracking the defect in very efficient manner.
* Logging the Defect in Quality Center(QC) and updating status to the higher management.
* Prepared Test Report based on the test execution and will send the report to client on weekly basis

**Environment:** Selenium, Appium, REST API, AWS, Cucumber, TestNG, SQL, Mongo DB, Java and Maven,SoapUI,JMeter, GIT, Jira, Intelli J, Eclipse , Jira and Confluence