**Swati Sachan**

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**GitHub:** [**https://github.com/swatisachan/FlipFlipPOMSelenium/**](https://github.com/swatisachan/FlipFlipPOMSelenium/)

**Objective:**

* To be a part of a progressive corporate house having growth potential where I can contribute to the development of the group as well as scale up my professional skills parallelly.

**Summary:**

* Having 4.7 years of experience in IT , currently Working as Automation Engineer At Dover India Pvt Ltd in IOT Domain.
* Having 3+ years of experience in developing utilities for automation framework using Core Java, Selenium Webdriver, Rest assured.
* Having experience in e-commerce domain (Apple Incorporation as Client) and IOT Domain (Dover India Pvt Ltd).
* Having 3+ years of experience automating REST API using REST assured , web services testing and automating UI Testcases using selenium Web driver , Java.
* Experience in developing Custom automation framework from scratch using the TestNG, Selenium, Maven , Cucumber and Rest Assured for both API and UI automation.
* Experience in working with several automation framework i.e Data driven framework using TestNG, Serenity with Cucumber, Allure Automation Framework, TestNG UI Automation framework with page factory and Jenkins Integration , Katalon Studio for API and UI Automation.
* Involved in API automation using Rest Assured and UI Automation using selenium web driver.
* Closely working with various stakeholders to understand the project requirement , Documenting the same, testing , automating, Logging Defect in JIRA on day to day basis.
* Having adequate technical knowledge and worked on the platforms like Java, Selenium WebDriver, Jenkins, TestNG, Oracle database, Maven ,Eclipse, GitHub, JSON, XML, Postman, Microsoft Azure DevOps, Katalon Studio (API and UI), JIRA, MySql.
* Developed API and UI Automation framework from scratch in Katalon Studio .
* Ability to accomplish task quickly and accurately under strict deadlines.
* Strong communication Skills, leadership, collaboration, and team building skills with proficiency in grasping new technical concepts and utilizing the same in a productive manner.
* Monitored all aspects of applications being developed/tested to ensure they met quality standards.
* Got client appreciation for giving good performance in the project and bagged many Insta awards.`

**Education:**

* **Bachelors of Technology** **(Computer Science)** from Pranveer Singh Institute Of Technology (UPTU), Kanpur, U.P. ; 2016

**Skills:**

* Core Java, Selenium WebDriver, TestNG, Maven, Jenkins, Eclipse, Oracle database , GIT, Postman, Radar, REST Assured, XML, JSON, Page Object Model in Java, Regression testing , Unit Testing , Functional Testing , performance Testing, Data driver Framework in Java using selenium WebDriver, End to end Testing, Katalon Studio, Microsoft Azure Devops, JIRA.

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| **Frameworks** | Katalon Studio Automation Framework (Selenium WebDriver and Rest Assured), Page Object model using Serenity and Cucumber, Selenium Webdriver using Page object and Page factory model, Data Driven Framework using TestNG(Excel based automation framework for REST API), Allure automation Framework. |
| **Programming Languages** | Core Java, TestNG, Selenium WebDriver, Selenium Grid with Docker, JDBC, XML, JSON, RDBMS, MySQL, Rest assured API. |
| **Tools/IDE** | GitHub, Jenkins , Maven, Eclipse , SQL Developer , Postman, Swagger, Microsoft Azure Devops(CI/CD) , JIRA, Microsoft Azure Service Fabric, Katalon Studio, Radar |
| **Operating Systems** | Windows , Mac OSX |
| **Others** | Numbers , DS-Utility , Apple Directory |

**Experience: Nov 2019 – Present**

**Company: Dover India Pvt Ltd.**

**Role: Senior Automation Engineer.**

**Domain: IOT**

* Responsible to write automation Test Script using Java in Katalon Studio.
* Responsible to perform UI Automation and REST API Automation Testing from end to end.
* API’s are deployed o Swagger, Manual Testing is done using Swagger and Postman.
* Responsible to develop REST API Automation Framework from scratch in Katalon Studio and Integrating it with Azure DevOps .
* Responsible to create the pipeline in Microsoft Azure DevOps for executing the automation Script from Pipeline.
* Responsible to Develop several core Java Utilities for company’s Internal project.
* Responsible to Develop the UI Automation framework from scratch using serenity and Cucumber in Eclipse IDE and using Allure Reporting framework.
* Using JIRA as a defect Tracking tool and tracking the Agile process.
* Closely working with the different stakeholders to Understand the requirement and documenting the same.
* Working on day to day regression activity and tracking the defect in JIRA.

**Project:**

**Project 1: Digital IOT Platform project:**

* This project is intendent to provide the services to multiple Customers belong to complex organizational hierarchy with respect to various kind of IOT devices.
* The base functionality of this application consists of creating the Organization, User, Persona, Role, Creating various IOT devices ,Complex Organization hierarchy and Dealing with the data abstraction when the end user logs in from his own credentials.
* Dealing up with the IOT device and IOT Edge device , Using Microsoft azure to store the data of these devices.
* It’s a common web application which can be consumed by various IT/Non IT firm to create their own Organizational hierarchy , maintaining the user records, their roles, Persona and giving them the privilege to register their IOT devices and verify the status of those IOT devices under the web application etc.
* All the data (Seed data and Dynamic data) is getting stored to the Microsoft Azure Service Fabric.

**Roles and responsibilities :**

* Writing the automation script to verify the functionality of above web application for both UI using selenium webdriver and backend using Rest assured using Katalon studio automation scripting tool.
* Verifying the device data from Microsoft azure to verify the device health Information ,device logs and ensure if device is currently active and sending the heart beat.
* Writing the automation script to the verify the complex JSON due to Organization Hierarchy in Backend using Rest assured API in API Testing.
* Automating the UI Testcases to verify the UI functionality of above Platform application.
* Developed Core java Utilities for the automation framework such as consuming JIRA API, gmail/Yahoo Utility , Updating cycle summary for the JIRA Issue using JIRA API , common functionalities which can be used across the automation framework etc.
* Creating the automation pipeline under Microsoft azure DevOps to execute the automation script from the pipeline.
* Analyzing the log and debugging the failed testcases.

**Technologies/Tools Used :** Katalon Studio, Rest Assured, Selenium WebDriver, Microsoft Azure DevOps(CI/CD, both for committing the code as well as Executing the pipeline), JIRA

**Project 2: JIRA Time sheet Calculator Project**

* This utility was created to calculate the efforts of all the team members logged in JIRA . This utility will fetch the data based on no of input parameters such as start date, end date, Team members name etc.

**Roles/Responsibilities :**

* Completed the Backend development for this Project and handed over the code to the UI Team.
* Responsible to test the UI using selenium web driver and written end to end automation script to verify the validity of data being published to the web page.

**Technologies/Tools Used :** Core Java , JIRA Rest API(Rest assured), Maven , Eclipse, Microsoft Azure DevOps.

**Project 3: Automation Tracker Project**

* This project was created to track the automation task and TestCases created by automation team in JIRA, so that feature wise for each of the team member, automation status could be tracked.
* Input query involves list of the features for which testcases ,Task, Sub task has to be pulled from JIRA consuming JIRA REST API.
* Output involves the creation of an excel sheet with list of all the features listed sheet wise. Each sheet will have rich amount of information about No of testcases being automated and not automated under that feature other than few other fields such as team member reported the issue , assignee etc.

**Roles/Responsibilities :**

* Completed the Backend development for this project and handed over the Utility to the Team members to consume.

**Technologies/Tools Used :** Core Java , JIRA Rest API(Rest assured), Apache POI, Maven , Eclipse, Microsoft Azure DevOps.

**Experience:**

**Infosys Limited, Bangalore, Karnataka (Apple Incorporation as a Client) Sept 2018 – Oct 2019**

**Senior Software Engineer / QA engineer.**

**Domain: E-commerce**

* Handling multiple projects in parallel which includes API automation framework development ,Web Based application testing using selenium WebDriver, API automation testing using TestNG framework and Java API Development.
* Responsible to identify the test scenarios, writing testcases, executing Test plan, developing Java utility from scratch and raising defect.
* Responsible to develop automation framework from scratch using selenium WebDriver, Core java , apache POI.
* Responsible to deploy the build in Jenkins and maintaining day to day regression along with regression stabilization.
* Working in collaboration with developers and QA engineers and writing new testcases , developing Java Utility from scratch due to feature enhancement or new feature introduced and performing end to end testing using java and mySql.

**Infosys Limited, Bangalore, Karnataka Oct 2016 – Sept 2018**

**Software Engineer**

**Domain: E-commerce**

* Responsible to develop the automation framework using java , selenium webdriver , write TestCases ,developing TestPlans , identifying Bugs and executing TestCases using TestNG Framework for API automation testing.
* Developing java Tools using core java and writing Java API’s.

**Projects:**

**Project 4: Web application based on Selenium WebDriver and Page Object Model.**

**Project Management System (PMS):**

* Project Management System is basically designed for employees, Developers, Contractors and Onsite Vendors associated with the organization to help in managing various projects activities, Allocating people to work on those projects, assigning the deadline of completion and tracking the project progress.
* Team is involved in automation of this web based application using Selenium WebDriver.

**Technologies/Tools Used** : Selenium WebDriver, Java, TestNG, Eclipse, SQL Developer, Maven, GitHub, Jenkins, Radar, Data Driven Testing, Page Object Model.

**Role and Responsibilities:**

* Developing the automation framework from scratch using core java and selenium webdriver,Creating test cases(Test Scripts) using selenium WebDriver, Java and TestNG annotations.
* Collecting Test Data for Data Driven Testing of PMS.
* Modifying the Test Scripts as part of project enhancement of PMS.
* Trigger and Analyse day to day regression job using Jenkins.
* Track Defects and verify them fixing script and incorporating other code merges.
* Responsible to Raise defect and report bugs and assign that to the concerned Developer attaching the logs required.
* Responsible for Identifying end to end scenarios and code modularity.
* Responsible for Creating reusable components, error handling and Adding comments.

**Project 5:** Data Driven Framework based on TestNG for API automation Testing

**Part of the Apple Account**

**Identity Management Services–Directory:**

* Directory Services (IdMS-DS) is the backbone of the client that includes both internal and external applications spanning online portals, retail stores, online stores, cloud services, or Directory, most of the applications need to go through IDMS to address their identity management needs.
* Directory Services is a central repository where different applications interact for authentication and authorization. Team is involved in the Automated API testing of the complete DS system supporting more than 600 million users.

**Client details: Apple Incorporation.**

**Technologies/Tools Used** : Java, Jenkins, GitHub, Radar, Eclipse, SQL Developer, Maven, TestNG, REST Assured.

**Role and Responsibilities:**

* Produce test plan, test cases ,test suites for execution and automation of functional and rest API testing .
* Share the coverage of scenarios for the radar to the Developer and client for automation.
* Trigger and Analyse day to day regression job using Jenkins.
* Track Defects and verify them fixing script and incorporating other code merges.
* Raise defect and report bugs and assign that to the concerned Developer attaching the logs required.
* Push the automated cases to the project using GitHub.
* Worked on features like Security, Enhancement, Serious bug , Crash/hang and few performance related and new features.
* Also have worked on enhancement of Applications and Groups, also security for group access and employee related data retrieval.
* Played a vital role in regression stabilization for different projects.
* Trained the new joiners for the track and have rendered hand across tracks to accomplish the tasks well before deadline.

**Project 6: Java API Development**

**Git Commit API Project:**

* Git Commit API project is based on fetching the commit data from GitHub, providing filtered Data to the end user based on user inputs such as fetching the Git commit data based on specific Time and date, Git commit message, user email ID and storing the entire Git Commit data in the Database in the JSON format.

**Technologies/Tools Used :** Core Java, JSON, MySql, GIT , GIT Rest Assured API.

**Role and Responsibilities:**

* Implemented the Java API from scratch.
* Follow java standards, naming convention to write java Code.
* Implemented the curl command approach in Git Commit API to fetch commit data from GIT.
* Prepared the TestNg testcases to meet the requirement and various filtration on the GIT commit data.