**Moolya Software Testing**

Mohana Kasivisweswara Rao  
SDET (1.9 Years)

## Introduction:

Mohana kasivisweswara Rao is a **1.9 years experienced** Software Development Engineer in Test. He has worked on domains like **Telecom.** In his brief experience as a software automation engineer, Mohana has used automation technologies like:

* Python - Selenium (pytest) & Robot framework for Web UI Automation
* Mobile app testing using appium with Robotframework
* POSTMAN for API testing
* Oracle SQL for data fetching & creation activities from data base
* Manual testing of web & desktop applications

With **Python as** Programming language.

## Work History:

## Mohana started his Software Testing/Automation career from Jan 2022 with Test Yantra software solutions, Bangalore, India as Software Engineer.

* From March 2023 to July 2023, Mohana worked at Lumen, Bangalore, India as Software QA consultant 1.
* Mohana worked on Telecom platform for Lumen, majorly focusing on ticket & outage operations using Robot frame work for automation and also with manual testing
* Mohana has also worked on Oracle SQL for data support activities within the team for different aspects of testing.
* Executing sanities for initial build delivery and final testing as a part of integrated release in test, stage as well as production environments.
* Creating tickets from desktop as well as from API’s in sanity and regression testing.
* Creating and checking the outage correlation in desktop as well as Outage API’s

Project worked on:

**Project1:** Repair Expert (Rx)

**Client:** Lumen Technologies

**Project Description:** Repair expert is a desktop application which is used to fetch customer information & ticket processing tool being used by agents in telecom domain. Using Rx desktop we can fetch Customer information, billing address, products purchased, and outages on the service Area. We can create trouble ticket based on the customer request.

**Project2:** Rx – Micro

**Client:** Lumen Technologies

**Project Description:** Rxmiro is a API based application which is used to fetch customer information & ticket processing tool being used by agents in telecom domain. It is based on Json format. It is having both Get & POST request type of api’s. It is having different sub Api’s like customer info, ticket info, ticket creation, outage info.

**Project3:** Rxps Micro (Rx portal service)

**Client:** Lumen Technologies

**Project Description:** Rxps-miro is a API based application which is used to customer information fetching & ticket processing tool. These api’s are being directly used by customers when calling via IVR. It is based on XML format. It is having both Get & POST request type of api’s. It is having different sub Api’s like customer info, ticket info, ticket creation, outage info

**Project4:** Rxlite

**Client:** Lumen Technologies

**Project Description:** Rxlite is a UI based web application which is used to create the outages based on the customer telephone number and the based on area & state. We can create as well update the outages based on the different stages of the outage. We can create outages based on the DSLAM ip address as well as with device name

## Trainings at Moolya:

* After joining Moolya, Mohana got trained in Selenium + Python & retrained in Robot framework, API testing using POSTMAN, Git & Jenkins, Mobile app testing using robot frame work appium
* Some of the curriculum areas that Mohana learnt as part of the training are:

| **Programming Language** | **Description** | **Status** |
| --- | --- | --- |
| Python | Data types, operators, conditional statements, loops, functions, file handling, OOPS, Regular expressions | Completed |
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| **Automation Stack** | **Description** | **Status** |
| --- | --- | --- |
| Python - Selenium  (Pytest) | Different browser setup, locators, synchronization, window handling, alerts handling, frames, web tables, java script executions, POM frame work setup, Execution scripts using pytest framework, creating a sample project on demo website | Completed |
| Git, Github, Jenkins | Creating, cloning, merging repos, and adding them to Jenkins config to run the jenkins jobs | Completed |
| Robot frame work | Different browser setup, locators, keywords for selenium operations, synchronization, window handling, alerts handling, frames. | Completed |
| Robot framework with Appium | Setting up android studio & appium configurations, installation of appium library, framework setup, completing the project on a demo apk | Completed |
| Rest API – Python & Robot frame work | Well versed with all HTTP methods, testing end to end flow of all end points. Worked with authorization using Basic, Bearer, Oauth 2.0 | Completed |
| POSTMAN | HTTP methods, collections, snippets, variables, data driven testing using excel file, created a postman collection on github repo’s using REST API documentation | Completed |
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## Assessment Report post Training:

Mohana’s assessment is divided into the following sections:

**Programming Language Proficiency:**

* OOPS Concepts :
* Strings Questions :
  + Print a String in reverse
  + String Palindrome
  + File Handling
  + Count the occurrence of unique words in a file
  + Two input String is Anagram
  + Sort by Alphabets
  + List, Tuples, Dictionaries
* Code Quality : 10/10
* Code Complexity :

**Github Repo with Solution for above and more programming problems:**

* [**https://github.com/Mohanakasi/Mohana\_SDET\_moolya.git**](https://github.com/Mohanakasi/Mohana_SDET_moolya.git)

**Automation Stack Proficiency:**

* Python – Selenium : 8/10
* Rest API :
* Robot Framework :
* CI/CD Pipelines & tools
* Version Control- Git, Github