

# MUKUL VARSHNEY

## SENIOR LEAD TEST AUTOMATION ENGINEER

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### PROFESSIONAL SUMMARY

Experienced Senior Lead Test Automation Engineer with 5+ years of expertise in automating testing processes for mobile, web, and API applications. Proficient in Selenium WebDriver, Appium, RestAssured, Postman, TestNG, and Cucumber for designing and implementing custom test automation frameworks. Skilled in Agile methodologies, CI/CD integration, and cross-functional collaboration to deliver high-quality software solutions. Recognized for improving testing efficiency, reducing manual effort, and exceeding client expectations. Seeking to leverage technical expertise and leadership skills to contribute to organizational success in a managerial role

### WORK EXPERIENCE

#### Senior Lead Test Automation Engineer | Appzlogic Mobility Solutions Pvt. Ltd.

##### Key Projects

Mar 2022 - May 2025

##### 1. Southwest Airlines:

**Description:** It is an airline project which provides airline services through different platforms like iOS, mWeb, Android, iPad, and the Web.

**Tools & Technologies:** Appium, Java, Cucumber, XCode, Android Studio, SeeTest, Jenkins, Jira, Confluence, XRay, Maven.

**Responsibilities:**

- Manual execution of the test cases assigned to be executed for the releases
- Test automation on different platforms like web application, native application of iOS and Android, and mWeb using client provided framework, which is based on Cucumber, Gradle, Java, TestNG, etc.
- Coordination among different team members to discuss queries, doubts, and several other things
- Participation in the different standup meetings with different teams alternatively
- Participation in weekly automation progress, and other automation sync related meetings

##### 2. Ejada (Banking & Digital Wallet)

**Description:** It is a banking project which provides digital wallet services through mobile application which consumes APIs in the BE

**Tools & Technologies:** Katalon Studio, Postman, Swagger, HTTP Client, Maven, Vysor, Java, SQL Server, Jira.

**Responsibilities:**

- Participation in the Backend Standup and mobile Standup meeting daily
- Verification of the BE stories before automation and discuss any query with the onsite senior QA member to get proper clarification
- Automation of the BE test cases using the client's provided framework based on HTTP Client, RestAssured, TestNG, etc.
- Preparation of the FE test cases of the assigned features and its automation using Katalon tool
- Coordination among different team members while regression execution and to discuss any queries etc.
- Execution of all the automated Test suites before every release and share the execution report with all the details
- Mentoring team members working on the BE and FE project deliverables and monitoring of the work being done by the team to ensure it is being delivered on time and matching client expectations

### 3. MTN (Telecom APIs)

**Description:** Automated testing for telecom-based APIs leveraging microservices architecture.

**Tools & Technologies:** Postman, Swagger, RestAssured, Cucumber, Jira, Confluence, Kubernetes Lens, Eclipse, TestNG, Azure DevOps, GitHub

**Responsibilities:**

- Development of the new test automation framework understanding all the needs of the client and the project
- Documentation of test cases on confluence for the APIs
- Automation of the API test cases using the designed framework, which was based on Selenium, Cucumber, RestAssured, TestNG, Java, etc.
- Proper communication with client to share them daily progress, report any issues, discuss any query, getting clarity on any features, etc.
- Maintaining requests of different use cases in the postman collection for the different APIs to be able to efficiently test APIs manually
- Participation in the meetings like Daily Standup, QA forum, Sprint Planning, Sprint Review and Retro, etc.
- Coordination among different teams to get clarification on the business requirement and all other things
- Support different teams in testing activities being part of central team
- Maintaining documentation on confluence for automation processes, testing processes, and for several different things to reduce dependency among team members

### 4. Zipy (Web Application for Error Logging)

**Description:** Automated testing for a web application designed to log and display error events.

**Tools & Technologies:** Selenide, TestNG, Cucumber, Maven.

**Responsibilities:**

- Involved with the Sales team to collect and understand all the requirements related to the project from the client
- Development of the new test automation framework understanding all the needs of the client and the project
- Automation of the test cases of the smoke suite shared by the client
- Handed over the project to the Junior engineer with all the necessary information
- Daily sync with the team member for task assignment, mentoring, and tracking of the work being done to ensure quality
- Proper communication with client to share them daily progress, report any issues, discuss any query, getting clarity on any features, etc.

### 5. Synnefa (AgriTech Web Application)

**Description:** Automated testing for a web application providing fertilizer recommendations based on IoT data.

**Tools & Technologies:** ClickUp.

**Responsibilities:**

- Involved with the Sales team to collect and understand all the requirements related to the project from the client
- Manual Functional testing of the web application and documentation of the test cases on ClickUp
- Participation in the daily standup meeting with client to discuss the progress and any challenges or blocker or any enhancements that can improve productivity
- Defect logging on ClickUp and its tracking until those are resolved
- Maintaining documentation on ClickUp which can help track progress and different type of things
- Onboarded 3 new members to the project based on the need of project
- Task assignment to the team, mentoring them, and monitoring of the work being done by them to ensure it is matching due dates and as per the client expectations
- Proper communication with client to share them daily progress, report any issues, discuss any query, getting clarity on any features, etc.

### 6. Virgin Mobile (Mobile Application)

**Description:** Automated testing for a web application providing fertilizer recommendations based on IoT data.

**Tools & Technologies:** Postman, Charles Proxy, RestAssured, Cucumber, Jira, Confluence, Eclipse, TestNG, Jenkins, GitHub.

**Responsibilities:**

- Extract APIs being used in frontend application with the help of Charles proxy tool and prepare postman collection out of it
- Preparation of functional test cases for those APIs and cover them in automation using custom framework based on RestAssured, Cucumber, TestNG, Java, etc.
- Creation of Jenkins jobs for the newly added APIs and its scheduling to run daily
- Daily execution of the jobs, its monitoring, report defects if found any, and script maintenance for script related failures
- Proper communication with client to share them daily run report, report any issues, discuss any query, getting clarity on stories, etc.
- Make required enhancements in the framework as per the project needs or which can simplify the way of working
- Got involved later in task assignment to the Associate Junior engineer, and its monitoring to ensure its being delivered on time and as per the client expectations
- Mentoring the Junior Engineer in carrying out day to day activities related to the project

## Key Projects:

Jun 2019 - Mar 2022

### 1. Cengage Learning – Enterprise Search :

**Description:** APIs that utilize Elasticsearch technology to retrieve records based on queries provided in the request payload, ensuring efficient and accurate search capabilities.

**Tools & Technologies:** RestAssured, Java, Maven, Cucumber, TestNG, Slack, Jira, Confluence

#### Responsibilities:

- Daily execution and monitoring of all the Jenkins jobs which were to perform smoke and regression testing on different environments (DEV, QA, Stage, Perf, and Production)
- Analyse job failures and report defects or do script fixes
- Participation in the meetings like Biweekly sync with Onshore QA to discuss any query and raise any concerns
- Verification of stories manually before automation and discuss queries with Onshore QA to get clarity
- Automation of test scenarios for the newly assigned stories using custom built framework based on RestAssured, Cucumber, TestNG, Java, etc.
- Make required configuration updates in the Jenkins jobs to include newly added test cases in the daily run

### 2. Cengage Learning – MindTap Mobile

**Description:** Automated testing for a mobile application for course enrollment and material access.

**Tools & Technologies:** Node.JS, WebdriverIO, Appium, Slack, Jira, Confluence, Mocha, Chai

#### Responsibilities:

- Daily activity like extraction of tasks through different communication channels, sprint boards, etc. and distribute among our internal team
- Verification of user stories and bug fixes assigned on the sprint board
- Participation in the meetings like daily standup, Sprint Planning, Sprint Review and Retrospective, Bug Triage, etc.
- Automation of the backlog web and mobile scenarios using the WebDriverIO framework based on Node.js
- Completion of smoke and regression testing for release through manual and automated execution
- Defect logging on Jira found while testing and tracking them
- Proper communication with client to share them progress, report any issues, discuss any query, getting clarity on stories, etc.

### 3. Walmart (Web Application for Store Operations)

**Description:** Automated testing for a web application streamlining store operations.

**Tools & Technologies:** Selenium, Jenkins, Jira, Cucumber, TestNG, Confluence, Slack.

#### Responsibilities:

- Verification of user stories and bug fixes assigned on the sprint board
- Participation in the meetings like daily standup, sprint planning, sprint retro etc
- Capturing of new test cases in BDD format on Xray
- Automation of the backlog web scenarios using custom framework based on Cucumber, Selenium, TestNG, etc.
- Completion of smoke and regression testing for release through manual and automated execution
- Defect logging on Jira found while testing and tracking them
- Proper communication with client to share them progress, report any issues, discuss any query, getting clarity on stories, etc.

## EDUCATION

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### Bachelor of Technology (B. Tech CSE)

- Dr. A.P.J. Abdul Kalam Technical University

## TECHNICAL SKILLS

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**Automation Tools:** Selenium, Appium, WebdriverIO, Selenide, RestAssured, Postman, Cucumber, TestNG

**Programming Languages:** Java, JavaScript

**API Testing:** Swagger, Postman, RestAssured

**CI/CD Tools:** Jenkins, Azure DevOps, GitLab

**Cloud Testing Platforms:** BrowserStack, SauceLabs

**Test Management Tools:** Jira, Zephyr, Xray, TestRail

**Containerization & Orchestration:** Kubernetes, Docker, Lens

**Networking Tools:** Charles Proxy

**IDEs:** Eclipse, IntelliJ IDEA, VSCode

**Data Formats:** JSON, XML, HTML

**Methodologies:** Agile, Scrum, BDD