**VISHAL M**

A person with glasses and a beard

Description automatically generated with low confidence

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| **Title:** | Associate Consultant/Software Engineer |
| **Location:** | Chennai, India |
| **Languages:**  **Contact Number:** | English (fluent), Tamil(Fluent), Malayalam (native)  8939288165 |

# Experience Summary

Having 5 years of IT experience in the field of software development and application support of web-based applications developed on Java 1.8 for backend and Angular 8 for front end with MySQL and Oracle as the back-end database.

My responsibilities includes acquiring the data from the documents provided by the clients in order to make a digitized record for maintenance of turbines which includes different configurations for the sites covering majority of Europe, NAM and certain parts of Asia.

Also involved in testing the digitized forms for maintenance and deploying them according to the site requirements based on their configurations.

Closely worked with providing inputs for the updated versions of Advance Troubleshooting Guides as well as tasked with the responsibility of deploying them to their respected regions.

**KEY SKILLS:**

* **Functional:** Training in Analysis, Coding and Implementation of Business Applications.
* **Technical:**
* Experience in handling API calls using Postman.
* Built an automated tool for raising bill claims for the Internet.
* Knowledge in Core Java, Spring Boot, Spring MVC, JPA & Hibernate, Junit, Angular 8, AWS, React JS, UI Path, Selenium.
* Worked a POC – **Smart Electronic Service** on Spring Boot Microservices using Java 17, PostgreSQL and Rest Template

# Experience

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| **01** | **Type of Industry:** | Renewables |
|  | **Project Description:** | This project deals with the digitization of maintenance records for turbines across the globe. It enables the users to digitally track the observations done during the turbine maintenance and report the defects so that they can be fixed. |
|  | **Role/Title:** | Form Author |
|  | **Project Duration:** | Sep 2019 to March 2023 |
|  | **Responsibilities:** | * Creating digitized forms for turbines of specific configurations. * Testing and Deployment. * Increase the understanding of our business partners and the services we provide to them. |
|  | **Operating Systems:** | Windows 7 |
|  | **Software / Languages:** | Java, Angular |
|  | **Special Tools:** | Postman, UIPath |

# Training, Certifications & Affiliations

* RPA Developer Foundation Certification
* Automation Engineer Practitioner Certification
* Completed React JS Capgemini Training.
* Completed UiPath Training.
* Completed Automation Testing using Selenium WebDriver with Python Training
* Completed Automation Testing using Selenium WebDriver with Java and TestNg
* Completed training on Java Backend Development with Core Java, Spring Boot, JPA Hibernate, Postman and Swagger.

# Proof of Concepts

**BOTP Spring Boot Microservices**

**Description:**

A customer support application which deals with Electronics enabling the booking, tracking, updating complaints by establishing communication between the microservices designed to maintain the roles and functions required by clients, admins and engineers involved with the application.

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| **Project Type:** | Proof of Concept |
| **Operating Systems:** | Windows 10 |
| **Software / Languages:** | Java 17, Spring Boot, PostgreSQL, |
| **Special Tools:** | Postman, Swagger |

**Functionalities performed:**

* Designed various microservices using **Java 17 and Spring Boot** for performing booking, tracking, updating complaints along with viewing, editing and sorting out data according to the requirements.
* Established communication between microservices using **Rest Template.**
* Created and configured the appropriate tables using **PostgreSQL** along with creating schema for auto id generation in a customized fashion.
* Used **Postman** for checking the functionalities implemented in the microservices independently as well as the communication between one or more microservices.
* Implemented **Swagger** for API Documentation and testing API endpoints.

**Automation Engineer Practitioner:**

**Description:**

This application facilitates the automation of marking the timecard within the team. It is created using **UiPath**. A timecard is maintained within the team where the employees who are a part of the team mark their timecard every weekend. In this particular use case, the working days are taken between Monday to Friday. The bot is **scheduled to run every Friday where it will automatically mark the employees’ timecard** which can be reviewed and submitted.

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| **Project Type:** | Proof of Concept |
| **Operating Systems:** | Windows 10 |
| **Software / Languages:** | UiPath Studio, Vb.Net |
| **Special Tools:** | None |

**Selenium WebDriver with Python:**

**Description:**

This POC revolves around creating test scenario and traceability matrix for testing the **functionality and usability** of a mock ticket booking website which is tested automatically using Selenium WebDriver with Python. It included interacting with different **HTML, CSS elements** enabling precise selection of web elements to be tested. Errors and exceptions are also handled using testing frameworks such as **Pytest and Junit.**

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| **Project Type:** | Proof of Concept |
| **Operating Systems:** | Windows 10 |
| **Software / Languages:** | Pycharm, Python 3.10, Selenium 3.14, Pytest, Junit, JIRA |
| **Special Tools:** | None |

**Selenium WebDriver with Java:**

**Description:**

This POC revolves around testing the **functionality and usability** of a mock ticket booking website which is automated using Selenium WebDriver with Python. It included interacting with different **HTML,CSS elements** enabling precise selection of web elements to be tested. Errors and exceptions are also handled using testing frameworks such as **TestNg and Junit.**

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| **Project Type:** | Proof of Concept |
| **Operating Systems:** | Windows 10 |
| **Software / Languages:** | IntelliJ, Java 11, Selenium 3.14, TestNg, Junit |
| **Special Tools:** | None |

# Higher Education

* SA Engineering College, Chennai – Bachelor of Engineering in Computer Science