SOWMYA P M

An enthusiastic & high energy driven professional, with a diverse competence proved in the curriculum & various certifications to outshine; accompanied with a zeal to make a winning career in **Software Testing And Development**

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Profile Summary

- Performance-driven professional with **over 7 years** of rich & extensive experience in **Software Testing & Quality Assurance**.
- **QA Specialist** with excellence in gathering & understanding requirements of clients & other stakeholders (at strategic & tactical levels), followed by translation into functional specifications as well as provisioning of suitable solutions.
- Very good knowledge on SDLC, STLC.
- **Growth catalyst** with impressive success in steering efforts in designing automation framework.
- Comprehensive knowledge of testing (designing test plan and test strategy, writing & executing test cases, verifying bugs).
- Proven success **in incorporating industry best practices, techniques, and methodology into existing testing process** for effective bug fixing & resolution of issues.
- Experience in **Functional Testing, UI Testing, System Testing and User Acceptance Testing**
- Proficient in performing multiple activities starting from understanding customer requirements, deriving the right solution, feasibility study, solution planning, architectural design, evaluation & solution implementation, scalability, migration & transformation and supporting after go-live
- Skilled in identifying test scenarios and preparing test cases for Functional Testing & Regression suites.
- Formulated the Testing Strategy Document for application testing which was well received by managers and stakeholders of the company.
- Hands on experience in automating web applications using **Selenium Web driver with Python**
- Exposure in Core Java Programming and Object-Oriented Programming concept and hands on experience in writing test scripts for protractor using java script

Key Impact Areas

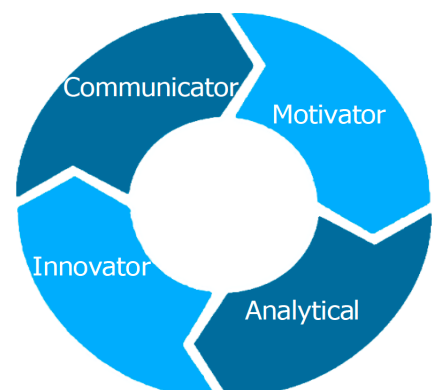|	
Software Testing	Defect Management
Application and Technical Support	Product Testing
Incident Management	User Acceptance Testing (UAT)
Test Cases & Plans	White Box and Black Box
Scripting & Documentation	Regression & Negative Testing

Education

2013 : B.E in Electrical and Electronics Engineering from Don Bosco Institute of Technology, with an aggregate of 74.86%

Soft Skills

Communicator

Motivator

Innovator

Analytical

Technical Skills

Key Skill	Selenium, Performance, JMeter, API Testing, Jenkins, Manual Testing, Katalon, Protractor
Languages	Python, Java
Defect Tracking Tool	Jira
Test Management Tools	Test Link, Test Rail
API Testing Tool	Postman, SOAP UI

Career Timeline

R.R Logic System Private Limited (Engineering Intern) Jul'15-Mar'16	→	Randstad India Private Limited (QA Engineer) Apr'16-Jul'19	→	Western Digital (Senior Engineer) Since Aug'19

Professional Experience

Western Digital, Bengaluru Since Aug'19
Senior Engineer
Project Name: FAR
Tenure: Since Aug'19
Team Size: 25
Testing Tool: Python, PyTest, Mongo, Selenium, Jira, Manual, Deployment, Jenkin
Project Description:
Failure Analysis and Reproduction System is a web application designed for Test Run failure analysis with advance features.
Role:
- Testing all aspects of the product like UI testing, function, system, performance, regression, and service
- **Conducting testing activities** to ensure quality and functionality of assigned systems; ensured timely and accurate test communication with Development Leads, Project Manager and Senior Management throughout the project life cycle.
- Setting up test environments, designing test plans, developing, and executing test cases, scenarios, and usage cases
- Implementing new **testing strategies** and workflow diagram use cases
- **Backend & Front-end Testing, integration testing** whenever required.
- Developing & implementing feature, integration, regression, and system tests for new software development
- Assessing and introducing new testing tools or methodologies
- **Writing and executing** Graphic User Interface (GUI), Functional, Regression, Security, and Performance related test cases
- Engaged in **API Automation** using Python Programming, **Robot Framework**
- Verifying Web services API request, response data validations in REST APIs
- Using **Postman/Swagger** for manually checking the response
- Deploying Script Written using Expect and Integrated with Jenkin
- Participating in production issues by debugging and reproducing the same in QA environment and provide the fix

Randstad India Private Limited, Bengaluru Since Aug'19
Client: SanDisk India Private Limited
QA Engineer
Project Name: Viewer
Tenure: Since Apr'16-Jul'19
Team Size: 15
Testing Tool: Automation/Manual Testing
Project #1: Viewer Tool - Validating and testing internal Tools that support SanDisk Products FW Validation
Project Description:
This project aims at testing multiple SanDisk data storage products like SD, USB, and SSD. Viewer is a pc application designed to present the user a logical structure of a target flash device and allow easy access to its content. It is intended to assist engineers in firmware development and debugging. This application displays the contents of the FLASH card in an easy to understand and navigate manner.
Role:
- Preparing test plan document and executing test cases in different scenarios.
- Conducting manual testing and automation testing.
- Conducting functional, regression, compatibility, and sanity testing.
- Test setup and Test development
- Participating in regular project status meetings regarding testing.
- Reporting and tracking bugs using JIRA
- Engaged in writing python scripts for error injection scenarios.
- Participated in **regular KT sessions** for different modules.

Project #2: CIAS and Snapshot Tool – Cloud Infrastructure as Service (CIAS) is a collection of services which is used to automate the process of test failure reproduction. This basically uses VM Environment. VM ware provides virtual infrastructure Environment.

Project Description:

This project aims at providing virtual environment for reproducing test failures. Test failures can be reproduced automatically using tools in virtual machines. Virtual machines are used to reproduce model-based test failures and improve productivity when performing failure analysis.

Snapshot Tool is a pc application designed to reserve the Virtual machines by user. Any number of machines can be reserved based on the user's requirement. VMs are used to reproduce test failures and improve productivity when performing failure analysis.

This tool also provides various virtual machine operations such as snapshot creation, removing snapshots, reverting snapshots, to open RDP and to free the virtual machines reserved by the user.

Role:
- Preparing test plan document and executing test cases in various scenarios.
- Conducting manual testing and automation testing.
- Conducting functional, regression, compatibility, and sanity testing.
- Test setup and Test development.
- Crosschecked in backend & crosschecking frontend, backend integration whenever required.
- Participating in regular project status meetings regarding testing.
- **User Guide documentation**.
- Reporting and tracking bugs using JIRA.
- **Prepared documents** according to the understanding of the Project which will help for training the users.

Project #3: Auto Validation Tool (AVT) – AVT is a collection of Python scripts which is used to automate the process of test failure reproduction.
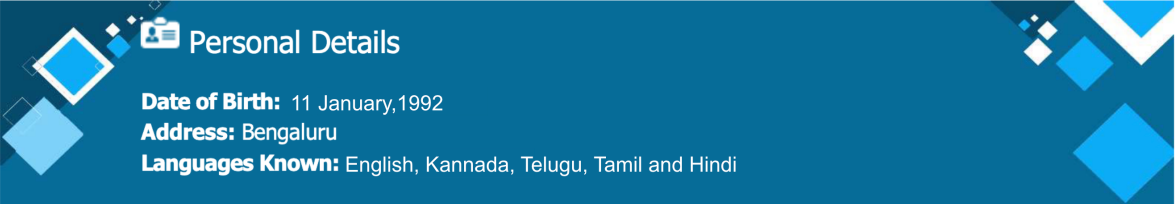
Testing Approach: Manual

Project Description:

This tool is used to automate the process of test failure reproduction. Failed tests that ran on model and hardware can be reproduced. Sets up the test environment required for test reproduction and reproduces the test locally using AVT command prompt and remotely in Virtual Machines.

Role:
- Involvement in preparation of test procedures, test scenarios, cases and test data.
- Conducting manual testing.
- To ensure the test execution takes place on time, generate reports and reporting the failures.
- Participating in regular project status meetings regarding testing.
- User Guide documentation.
- Reporting and tracking bugs using JIRA

📇 Personal Details

Date of Birth: 11 January,1992

Address: Bengaluru

Languages Known: English, Kannada, Telugu, Tamil and Hindi