SUJITH BALAJI A

✉ sujithbalajia@gmail.com   ☎ +91 9677996675   in Sujith Balaji

Summary

Detail-oriented Software Test Engineer with 3+ years of experience in Manual and Automation Testing(**Python, Selenium, Appium, Agile**). Skilled in Functional, Regression, Smoke, Sanity Testing, Test Case Creation, STLC/SDLC, SQL, API Testing,and AI/ML model validation. Experienced in delivering enterprise-level web and mobile solutions, collaborating with cross-functional teams, and ensuring high product quality and performance.

Work Experience

RoshAI | Software Test Engineer   **June 2024 - Present**
- Execute **manual and automated test cases** for web and desktop applications with full functional coverage
- Developed **automation testing tool and testing Software**, using Python Selenium, Flask, React, and CSS
- Developed **employee productivity tracker software**, using Flask, React, and CSS
- Designed and validated AI/ML models using **Custom Vision**, delivering demos and production deployment
- Performed automation testing on desktop applications using **Python Selenium, Appium, and WinAppDriver**

Ivy Mobility Solutions Pvt Ltd | Junior Test Engineer   **April 2022 – May 2024**
- Executed manual and automation test cases for web and mobile applications with full functional coverage
- Collaborated with web and mobile teams in **Agile environments** to analyze and resolve issues
- Performed **regression, sanity, and functional testing** logged and tracked defects in **Jira** to ensure timely resolution
- Validated backend data using SQL queries and executed test cases across web, mobile, and database environments
- Developed reusable and modular test cases, reducing testing time and enhancing coverage

Projects

Intelligent Automation Platform | RoshAi
- Developed and deployed AI models for automated product validation, including data collection, annotation, and training
- Integrated AI models into web applications for real-time image capture, inference, and pass/fail visualization
- Validated web application functionality, including image capture, inference processing, and AI model output accuracy

Enterprise AI Application | RoshAi
- Executed **manual and automation testing** on the Tool Vision Pro desktop application using Python and Appium
- Performed **regression, functional, smoke, and sanity testing** to ensure application stability and correctness
- Captured images dynamically based on **tool life**, validating functionality and accurate reporting within the application

Bimbo (Costa Rica and USA)| Ivy mobility
- Tested **mobile and web applications** for accurate schemes, taxes, discounts, pricing, cash flow, and stock allocation
- Developed **Selenium automation scripts** (Java, WebDriver, Eclipse) and executed SQL queries for backend validation
- Conducted database and functional testing to verify sales transactions, tax/discount schemes, and overall data integrity

Mars Mexico | Mars Pet Care| Ivy mobility
- Designed manual/automation test scripts (Java, Selenium, TestNG) for web and mobile apps with 95% coverage
- Validated pricing, schemes, taxes, cash flow, stock, and invoices with 98–99% accuracy using SQL and Postman
- Automated web testing with CSS/XPath, logging defects to improve detection by 15–20% and speed resolution

Technical Skills

Programming and Automation: Python | SQL | Selenium | TestNG | Appium | WinAppDriver
Web and Tools: React | CSS | Flask (REST API) | Jira | Postman | Jenkins
Testing and AI/ML: Manual and Automation Testing | Agile Methodologies | Custom Vision | AI/ML Model Development

Education

SSM Institute of Engineering and Technology   **2016 - 2020**
B.E. Mechanical Engineering   *6.45 / 10*