

Engineer Profile: Vijay Anand S M

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Career Objective

To work in a creative and challenging environment using cutting edge technologies where I could constantly learn and successfully deliver solution to problems.

Professional Summary:

- An Engineer, with 2 years and 8 months of working experience in Whitebox testing, Blackbox testing, Functional testing, Regression testing & Manual Testing.
- Worked with “Zilogic System” as an Engineer in Software for wireless testing from September 2017 to April 2019
- Currently working in client place “Visteon” as a Test Automation Engineer for functional testing from 10th MAY 2019 to till present.

Technical Skills:

Core Skills : Python
Tool & Platform : Wireshark, Jenkins
Frameworks : RobotFramework

Software Proficiency:

Programming language	Python, Shell Script
Operating Systems	UNIX, Debian, Ubuntu & Windows
Domain Knowledge	Network (WIFI)

Education:

School/College	Board	Year of completion	Percentage/ CGPA
S.B.O.A Matriculation & Higher Secondary School	Higher Secondary	2011	70%
S.B.O.A Matriculation & Higher Secondary School	Matriculation	2009	69%
Rajalakshmi Engineering College (PG- Embedded Systems)	Anna University	2017	8.0(CGPA)
Panimalar Engineering College (UG- Computer Science)	Anna University	2015	6.7(CGPA)

Professional Experience:

Company Name : Zilogic Systems Pvt. Ltd. (May 2019 – Present)
Client Company name : Visteon
Role : Software Engineer

Project 1

PSA&VW/SKODA

Operation System	: Linux
Skills Used	: Python, Robot Framework, Shell Scripting
Hardware Used	: Programmable Power Supply, Programmable USB Switch, Relay Controller.
Team Size	: 5

Description:

- PSA is a Infotainment system which contains Radio, USB Audio and video playback, iPod Playback, Bluetooth Audio & HFP, Navigation.

Roles and Responsibilities:

- Developed User defined python libraries and integration test suites to validate the product deliverable against the requirement.
- Requirement understanding and test suite development on Robot framework.
- Development of user acceptance test cases to validate the product.
- Writing shell script to run the test case from Jenkins.
- Writing shell script to display current status of the test execution.
- Other responsibilities include developing implementation plans, collaborating with colleagues to monitor existing systems and performing maintenance support.

Project-2

Pitstop for Android

Pitstop is Robotframework based Android system testing framework which tries to test the Android based system or product. It tests the UI, application, captures the logs and performance metrics.

Involved in

- Testing the pitstop test cases in android emulator.
- Tested the robot framework based test suites and its backend shell.
- Tested the android systems using adb commands.
- Working on understanding the infotainment related use cases.
- Working on developing python based backend for robot framework.

Python Automation For Bluetooth Profiles

This project aimed at testing a few selected profiles in bluetooth. Initially, the testing was carried out manually after deciding the test sequence and test procedure. After obtaining the correct results, the test setup was automated using Python. In this the HW platforms used in the PC were primarily Intel bluetooth chipsets on which the blueZ opensource stack was ported. Bluetooth headsets purchased from market (Zebronics), and other tools like Wireshark are from open source.

- Tools used include: Wireshark for Packet Analysis
- The objective of this project is to help build working feature matrix for various Bluetooth headsets with respect to the functionality of various bluetooth profiles.

Profiles	Product	Description
A2DP	Zebronics Headset	Tested manually and automated it.
AVRCP	Zebronics Headset	Tested manually, automation is done only for packet analysis.
PBAP	Vivo V7+	Tested Manually
HFP	Motorola C	Tested manually

Roles & Responsibilities

- Understanding Bluetooth and Bluetooth low energy architecture.
- Ramping on various profiles in bluetooth and bluetooth low energy.
- Performed manual testing.
- Analyzed packets in wireshark.
- With knowledge of manual testing helped test case development team to develop test cases.
- Build automation using python.

Network Experiments

These assignments were performed to develop skills on testing the network functionalities of Zi-logic network devices.

- Understanding the network test setup using virtualbox and vagrant for different network configurations.
- Enabled and Tested different network configuration in Linux by configuring interfaces of vagrant.
- Configures and Tested the multi-homed networks configurations
- Performed network and performance analysis using iperf, NMAP and netcat tools and built a analysis report.

Declaration:

I hereby declare that all the above furnished information is true and genuine to the best of my knowledge.

DATE:

(Vijay Anand S M)