

## ASHOK VIPPARTHI

Mobile Number: +91 8688048025

Mail id: [ashokvipparthi1996@gmail.com](mailto:ashokvipparthi1996@gmail.com)

### Career Objective:

My career objective is to work in an organization where I can use my knowledge and skills to contribute to the growth of the company while passionately leveraging my expertise in WLAN technology to fulfil organizational goals.

### Professional Summary

- 3+ years of professional experience in WLAN testing – 802.11 technologies
- A good programming skill on python development and scripts usage.
- Good experience in 802.11 n/ac/ax testing both performance and functionality
- Good hands-on experience in owning the project and test plan development for the new features and enhancements of existing features.
- Extensive experience in system testing, stress, stability and functionality on WLAN products.
- Extensive experience in developing Scrum test plans/sanity test plan and complete feature test plans
- Good understanding in WLAN security protocols such as **WEP, WPA, WPA2, and WPA3.**
- Familiar with Wi-Fi technologies like roaming, **OFDMA, MU-MIMO, and Beamforming/BSS coloring.**
- Good understanding in WLAN **STA Legacy power save, PS-Poll, QoS, WMM-PS, and TWT.**
- Good understanding on MAC and PHY layer flow on data packets.
- Good experience with packet sniffer tool: **Wireshark and analysing the MAC frames.**
- Actively involved in executing test cases and sending reports.
- Familiarity with bug tracking system - JIRA
- Flexible and versatile to adapt to any new environment and work on any project.
- Excellent communication ability to coordinate with other project teams.
- Good presentation skills, quick learning and excellent team player having ability to meet deadlines

### Professional Experience

- Working as a Senior software Engineer in karasha tech solutions pvt ltd.
- Worked as software engineer in Modernize chip solutions with client NXP semiconductors Pune.
- Worked as a Associate Trainee in Apps Associate Pvt.Ltd

### Technical Skills and Expertise

- |                                |   |
|--------------------------------|---|
| • <b>Protocols</b>             | : TCP/IP, DHCP, DNS, 802.11 a/b/g/n/ac/ax/k/v/r/e                 |
| • <b>Testing Tools</b>         | : Iperf, tcpdump, wireshark                                       |
| • <b>Bug Tracking Tools</b>    | : Jira  |
| • <b>Programming Languages</b> | : Basic programming in C, python, Python Shell Script, Embedded C |

## Project Experience:

### **NXP semiconductors:**

**Engineer (Testing)**

**Product: Fire crest**

**Chipset: NXP**

### **Responsibilities:**

- Conduct sanity testing for every new firmware/build release.
- Set up and configure testing environments relevant to each test.
- Execute Wi-Fi feature tests, identify bugs, and create bug reports.
- Collaborate with automation team to develop test plans and provide support.
- Design and develop test plans for new features and modify existing plans.
- Perform Micro AP testing, including DRCS feature testing for performance.
- Analyze Wireshark sniffer to identify root causes of performance drops.
- Troubleshoot IOP issues using both manual and automation methods (100+ APs).
- Conduct performance testing on various security protocols and power save methods.
- Investigate RvR performance issues, generate reports, and create graphs for UDP, TCP Tx, and Rx issues based on KPI values.
- Share knowledge with team members on new feature implementations and enhancements.

### **Testing Experience:**

- Wi-Fi protocol testing: 802.11n, ac, ax (functionality and performance)
- Noisy environment testing (OTA)
- UDP traffic testing with:
  - Single STA near uAP and roaming STA in different bands (BGN, AN, VHT, HE)
  - uAP and three STAs in different bands (BGN, AN, VHT, HE)
- Performance drop analysis using Wireshark logs.
- IOT testing with 100+ APs using both manual and automation methods.
- Worked on Python Scripting along with code Based on Client Requirement and Regression Changes.

### **NXP semiconductors:**

**Engineer (Testing)**

**Product :**

**NightHawkChipset**

**: NXP**

### **Responsibilities:**

- Conduct sanity testing for every new firmware/build release.
- Set up and configure testing environments relevant to each test.
- Execute Wi-Fi feature tests, identify bugs, and create bug reports.
- Collaborate with automation team to develop test plans and provide support.
- Design and develop test plans for new features and modify existing plans.
- Perform Micro AP testing, including DRCS feature testing for performance.

- Analyze Wireshark sniffer to identify root causes of performance drops.
- Troubleshoot IOP issues using both manual and automation methods (100+ APs).
- Conduct performance testing on various security protocols and power save methods.
- Investigate RvR performance issues, generate reports, and create graphs for UDP, TCP Tx, and Rx issues based on KPI values.
- Share knowledge with team members on new feature implementations and enhancements.

#### Testing Experience:

- RvR testing and raising the bugs if the issue is seen in specific pathloss.
- Wi-Fi protocol testing: 802.11n, ac, ax (functionality and performance)
- Configuring AP setting using wl commands and finding the root cause of station issues.
- Worked on Noisy and Non-Drcs Throughputs with Both AP's and Mobile Phones
- Worked on performance testing like Peak Throughput, Channel Reliability Throughput, Security Reliability Throughput using different AP's and STA's.
- Able to trace/debug the setup Issues.
- Worked on Python Scripting along with code Based on Client Requirement and Regression Changes.

#### Academic Qualification:

- B.Tech **[CSE]** from BVC Engineering college with 64% in 2018.
- Intermediate from Narayana Junior college with 75% in 2014
- **SSC** from Andhra Pradesh State Board with 70% in 2012.

#### Personal profile:

Name	: Ashok Vipparthi
Father Name	: Ramakrishna V
Gender	: Male
Date of Birth	: 15-05-1996
Language Known	: Telugu, English, Hindi
Marital status	: Unmarried
Location	: Hyderabad

#### Declaration:

I hereby declare that the information furnished above is correct to the best of my knowledge.

Date:

Place: Hyderabad

(Ashok V)