***Srinivasa Rao Kagitha***

**Mail id-** [skagitha30@gmail.com](mailto:skagitha30@gmail.com) **Mobile- +91-8309895383**

Professional Summary:

* 5+ years of work experience in Radio frequency (WLAN), Bluetooth and NFC Engineering domains with knowledge of the basics of IEEE 802.11 b/a/g/n/ac
* Expertise in wifi carrier sensing and wifi scanning.
* Good knowledge in frames and frame exchange between station and AP.
* Experience in iperf traffic running on SoftAP, P2P and TDLS.
* Knowledge on dynamic frequency selection testing and operation.
* Developed the iperf rerunning python automation on mobile targets.
* Extensive knowledge of basic networking hardware (routers and switches) and protocols (UDP, TCP/IP, DHCP, ARP etc.)

Technical Knowledge:

I have a clear understanding of:

* Software validation of WLAN device driver firmware on Linux and Windows based platforms. Hands on various programming and scripting languages and network analysing tools like Wireshark and ellisys.
* Perfect in Python and good knowledge of C.
* Configuring the STAs and APs from different vendors like Cisco, Netgear and Dlink.
* Exposure to Bug reporting and tracking tools- JIRA, CRs and TestRail.
* Operating System: Windows10, Linux and MAC.

Experience Details:

**HCL Technologies Aug 2024- till date**

**Project #4:** CDS “Lead Engineer”

### Team Size: 3

**Responsibilities:**

* Executing the Signaling and Non-signaling tests, Active scan, Band edge and Harmonics measurements for all Wireless products.
* Measuring throughput and data rate in different channel conditions by varying range using an attenuator. (Multi radio Co-ex setup)
* Experience in both Manual & Automation execution of Wi-Fi /BT/ZigBee test cases.
* Bringing up the setups/any changes for testing/Validation, performed the power table validation.

**Qualcomm, Hyderabad JUL 2021 – JAN 2024**

### **(**Deployed from Votary Tech Solutions**)** “Engineer 2”

**Project #3:** CNSS/SNS Team Size: 10

**Responsibilities:**

* Conducted Python automation on WLAN mobile chipsets (HMT, HSP, HAMILTON)
* Throughput understanding of 802.11 a/b/g/n/ac protocols.
* Working on security WEP/WPA/WPA2/WPA3.
* Performed Python automation on NFC-specific manual test cases
* Experience in ADB debugging, logging and meta flashing on different ADB devices.
* Working on firmware validation, different tags reading and card emulation on NFC chips on different Android devices

**Cypress Semiconductors, Bangalore JUL 2018 – JUL 2021**

### **(**Deployed from Trigon Tech Solutions**) ”** Senior Validation Engineer”

**Project #2:** BT APPS Team Size: 7

**Responsibilities:**

* Executing A2DP, HFP, AVRCP and PBAP tests between DUT and Reference phones
* Debugging different Bluetooth profiles' sanity and functionality issues before raising bugs.
* Here I work on different tasks like Sanity testing, Functionality testing, Stress testing and Customer reported issue analysis on multiple customer mobile phones.

**Project #1:** NINTENDO Team Size: 3

**Responsibilities:**

* Good understanding of IEEE 802.11a/b/g/n standard protocols.
* Experience in analysing and debugging problems using WLAN sniffer tools like Wireshark.
* Experience in using tools like Iperf for measuring link performance and quality.

Certifications:

* Completed the certification in Python from Python Institute.
* Completed the certification on WiFi from Candela technologies and Mist Systems.
* Completed the certification in Python from HackerRank
* Completed the certification in Python basic and intermediate from SoloLearn.

Academic Qualifications:

* **B.Tech(ECE)** From Jawaharlal Nehru Technological University Kakinada in 2018.
* **Diploma** **(ECE)** From Jawaharlal Nehru Technological University Kakinada in 2015.

Personal Details:

Date of Birth : 30th March 1995

Gender : Male

Languages Known : English and Telugu

Present Address : Puspa pg for gents, Doddanekundi,Bengaluru,

Place Signature

Srinivasa Rao K