

Tavarekere Hariprasad

E-Mail ID: tavarekere.hariprasad@gmail.com

Mobile: +91 7204127350

Objective

To be successful at my chosen field through professionalism, talent, perseverance, intelligence, dedication and integrity. Willing to work in a creative & challenging environment to hone my skills & improve my efficiency & in turn contributing to the growing factor of the organization

Professional Summary

- A dynamic professional with **around 10.5 years** of well-rounded System component Manual & Robot Automation Test Experience in Telecom and Networking domain testing on Transport Module of SRAN Base station product as a **Technical Leader** for **Nokia Networks** with **LTE, 5G technologies** and **Software Engineer-IV** for **juniper networks** on **SRX Series Security Firewall Products and Cloud SRX products**.
- Currently working as a Test Automation Engineer (SE-4) with **Juniper Networks** for Security Firewall SRX and Cloud SRX Products. Testing and Automation Covers features like Policy, IPsec, GTP, SCTP, LTE, Explicit Proxy and Syslog on HA, MNHA, Cloud Firewall Infrastructures.
- Worked as a Testing representative member for 5G-ORAN forum from Nokia Networks.
- Have very good experience in working with End to End testing for LTE Base stations & Good understanding on LTE Call flows, Protocol Stack, Call processing and **TCP/IP Protocols testing**
- Testing Covers Features like **IPsec, IPv4 Stack, GTP, SCTP, VLAN, QOS, ICMP, BFD, IPCS, Explicit Proxy, Fast IP Rerouting, ARP, Ethernet Termination, Firewall, Cloud Firewall, Autoconnection (DHCP), Basic Ipv6 stack, IEEE802.3, Syslog, Electrical and Optical interfaces (SFP and SFP+) and Operability Features Along with LOG** management.
- Extensive experience in RFC compliance testing, Black Box testing, Regression Testing, Cross functional Testing & setting up testbeds, Customer trials & automation through Robot framework.
- Currently playing the role as **MTS and SME** which involves Feature effort estimation, Defining the Test Strategy, SW promotions, Regression suite planning & tracking etc
- Very good at handling Customer, I&V, & SyVe issues by debugging the logs & providing Root cause analysis and handling communications between teams across globe for resolution.
- Effectively participated in Specification reviews, Feature ownership trainings, Test case reviews, Test strategy development & Good experience in Design and Execution of Test Cases in an optimized way covering the Interdependent features and Cross functionalities.
- Having Proficient Communication skills, Problem Solving, Leadership, Self-motivated, Multitasking, Quick learner & Team player
- Worked with **Agile methodology** of Software Development & Testing across all Programs.

Technical Skills

- **Networking Skills:** L2 Protocols: ETHERNET, ARP, VLAN
L3 Protocols: IPv4, ICMP, Basic Ipv6 Stack
L4 Protocols: TCP, UDP, SCTP
Application Protocol: IPSEC, BFD, DHCP, GTP-U
- **Languages known:** Basic Python scripting
- **Automation Tools & frameworks:** Python Based Robot Framework
- **Traffic Simulator/Analysers:** IXIA, Ix Load, Wireshark, Cola soft, TCP Replay, Send Ip

- **Data Management:** HP Quality Centre, IBM Doors
- **Bug Tracking tools:** Pronto, Jira & NCT case tool
- **Testing Tools:** Codenomicon, Spirent
- **Platform:** Linux ,Windows and MAC OS
- **Switches and Routers:** Cisco, Juniper, Net gear, D-Link

Honours & Recognitions.

- **Program Achievement Award-** for single handedly owning and executing Sanity Testing for all LRC features and delivering quality software
- **Best Quality Feature Delivery Award** – for the outstanding achievement in delivering the Best Quality feature related to BFD, FRR, Ethernet, MLPPP in TRS and the Left Shift Quality Mindset
- Reported **500+ faults** in overall SCT Transport testing. The maximum number of faults have resulted in bug fixes leading to enriching of transport software and there by High Quality of the overall product
- Awarded for Supporting reproduction of **multiple critical customer issues** in local lab by simulating customer environment. This helped in delivering quality fixes for customers at first time.
- Awarded as **regression specialist** in SCT cluster for handling multiple features with high quality and efficient testing
- Awarded for **Reporting the Highest Number of Bugs** across Transport Programs (LRC, SRAN and WMP).

Professional Experience

Juniper Networks: Jun-2021 to till date

Nokia Solutions and Networks: Jan 2013 to Jun 2021

Gowdanar Technologies : July-2012 to Jan 2013.

1. Project: HD-BDE(LRC)

Designation: R&D Engineer -I

Duration: Jan 2013 – April 2015

Project Description:

HD-BDE (High density-based equipment) is also termed as Liquid Radio cloud(LRC). LRC is the transport module of NSN 4G LTE and 3G WCDMA.

Role Description

- Testing features like Configuration, Fault, performance management, IPSec, Electrical & Optical interfaces in IEEE802.3, Ethernet termination, Traffic mirroring, ARP, VLAN.
- ### **2. Project:** SRAN FSMR3 (Single BTS for all Technologies GSM, WCDMA, LTE)
- Designation:** R&D Engineer II
- Duration:** April 2015 – FEB 2017
- Project Description:**
- SRAN (single RAN) is product which combines all the technologies like LTE, WCDMA, GSM in one software and which is based on the mega zone architecture. Here all technologies can share the same system module and which will reduce the hardware complexity and cost saving.

Role Description

- Tested features like Ethernet Termination, MLPPP, Multiple VLAN interfaces, **BFD**, IPv4 protocol stack, IP handling, Policy based Packet routing, **IPSEC** functionality, Transport **QOS**, **VLAN** Traffic Differentiations, Ethernet switching, Configuration management, Fault management, Performance monitoring and Electrical and the optical **SFP** and **SFP+** Features testing.

3. Project: LTE-WMP

Designation: System Test Engineer

Duration: Mar-2017 to October 2018.

Project Description:

This is the LTE project where we are working for the customer like Softbank, Orange, DOCOMO JAPAN with the Transport features testing

Role Description

- Tested Multiple features like Ethernet Termination, **BFD**, IPv4 protocol stack, IPv6 basic protocol stack, Policy based Packet routing, **IPSEC**, x2 mesh with IPsec, IKEV2 algorithms testing for IPSEC , Transport **QOS**, **VLAN** Traffic Differentiations, Ethernet switching, Configuration , Fault & Performance monitoring and Electrical and the optical **SFP** and **SFP+** Features testing.

4. SRAN- SOAM (SRAN Single OAM) for FSMR3 and FSMr4-Airscale HW

Designation: Technical Leader

Duration: Oct 2018 – Aug 2020

Project Description:

The concept of SRAN is the evolution of the classical RF Sharing where only radio modules were shared, to having one network entity with common operability and transport platform, sharing both system module (baseband) and radio modules between multiple radio access technologies (RATs).

5. Project: 5G BTS Transport

Designation: Technical Leader

Duration: September 2020 – June 2021

Project Description:

5G is the new generation of radio systems and network architecture delivering extreme broadband and ultra-robust, low latency connectivity and massive networking for the Internet of Things to enable the programmable world, which will transform our individual lives, economy and society. Currently we are working on the ASIB, ASIK, ASIL hardware for the 5G transport hardware's for NSA and SA modes.

6. Project: NAPUE (MNHA) on SRX Security Firewall Product

Designation: Software Engineer- IV

Duration: June 2021 – June 2022

Project Description:

Juniper Networks® SRX Series Services Gateways are high-performance network security solutions for enterprises and service providers that deliver security, routing, and networking capabilities.

7. Project: Explicit proxy firewall Feature for Firestorm cloud Security With Cloud SRX Product

Designation: Software Engineer- IV

Duration: June 2022 – Present

Project Description:

Firestorm project is for providing the firewall security using the micro services . Here CSRX will act as a firewall in cloud to provide the security for the internet users .

Role Description

Working as a Software Engineer-IV for security product feature testing and Robot based automation for GTP ,SCTP,LTE, Policy, IPsec, Cloud SRX and syslog Features for SRX firewall Security product.

Academic Credentials

- **B. Tech in Computer Science Engineering** at Srinivasa institute of technology& mgmt. studies, under JNTUA during the year 2008-2012 with **72%**
- **Intermediate** from Govt Jr college, Roddam, Intermediate Board, Andhra Pradesh during 2006-2008 with **94.5%**
- **SSC from** Govt High school, Roddam, SSC board, Andhra Pradesh 2005-06 with **87%**

Trainings Undergone

- **Cloud Computing**, Agile, Devops , GIT fundamentals ,5G Certification from Nokia Networks
- Worked as a trainee software Engineer for C and Java in **Gowdanar Technologies**, Bangalore from July -2012 to jan-2013.

Personal Profile

- **Date of Birth:** 17th June 1991
- **Present Address:** No:79,1st Floor,4th cross, Bhuvaneshwarinagar, H.A.Farm post, Bangalore-560024
- **Permanent Address:** #12-122, Vasavi temple street, Roddam, Andhra Pradesh-515123
- **Father's Name:** Late Mr. Tavarekere Ramakrishna char
- **Marital Status:** Single
- **Languages Known:** English, Kannada, Telugu, Hindi
- **Nationality:** Indian

Declaration:

I hereby declare that above mentioned particulars are true to the best of my Knowledge and belief

Yours sincerely
Hariprasad Tavarekere
Bangalore