

# Eeranna Sajjanar

Bengaluru, Karnataka, India



eerannacs@gmail.com



9880867246



[linkedin.com/in/esajjana](https://www.linkedin.com/in/esajjana)

C • C++ • Embedded • Linux system programming • Linux Internals • I2C • CPLD/FGPA • IP Networking • GNUDebugger • Data-structures • Python

## Summary

Networking product Software Developer with a proven track record of bringing products from conception to production.

Expertise in Networking OS architecture, OS internals, Multi-threaded, C/C++, Linux IPC and Process & memory management, I2C, CPLD drivers. And experience in Python Programming.

Experience in hardware introductions of many SKUs modular & chassis system with Broadcom switching ASIC.

Knowledge in IP Networking L2/L3 protocols, Linux virtualization, onie.

Leading team members in features design development.

## Experience



### Senior Software Developer

Extreme Networks (since 2020, rebadged to Luxoft India)

Mar 2013 - Present (8 years 10 months +)

Worked on Linux-based Networking OS VSP(VOSS) Platform software, tens of new hardware SKUs series of 1/10/25/40G form factor ports, including modular & chassis system and numerous software releases.

Experience in complete VOSS architecture from booting stage to process, memory, system management. On ppc, ARM, x86 CPUs and Broadcom switching ASIC Trident-2&3, DNX.

Developed Kernel cpld driver in GNU C/C++ for I2C PHY detect, gpio & eeprom read.

Received appreciation for delivering and owning High Availability infra development in chassis series (Broadcom Jericho chip, Freescale CPU.)

Developed software for hardware modules like Eeprom, Fan, Temperature sensors to support the future SKUs. And System Key health indicators.

Developed REST interface Cloud connect application in Python, by interacting cross-functional teams.

Handled and solved numerous issues of all severity levels including many crash-dump analyses.

Guided team members in system features design, development.

Involved in Innovative activities in OpenNetworkingLinux, virtualization.

Helped manager to build team.

### STOKE Sr SW Developer

Stoke

Aug 2010 - Mar 2013 (2 years 8 months)

C/C++ system Programming in POSIX standard. Networking Qnx based OS infrastructure.

Worked in Startup-mode and as single point of point in India.

Experience in Wireless Security Gateway Product, Chassis based SKUs with various software releases.

Solved and helped peers in critical platform issues and feature like Call-Detail-Record stats collection.



## **software engineer**

Cisco

Mar 2007 - Aug 2010 (3 years 6 months)

Linux/C/C++ GNU programming. Nexus (nxos) Data-center switches Series 7000/5000/4000.

Developed first release of Smart Call Home feature in NXOS, in first release of Nxos series chassis.

Developed in L3 software for daughter card in Nexus 5000 product.

Developed software for the product Cisco Nexus 4000 Blade L2switch.

Handled issues in QA testing cycles across software releases.



## **Senior Software Engineer**

Huawei

Jun 2005 - Mar 2007 (1 year 10 months)

C Programming.

An end-to-end Software Development of Voice-Over-IP Protocols library including MRCP, Qsig.

Followed complete software lifecycle from Requirement Documentation, Design document, till Unit-test/IT with automated Python test-framework.



## **Software Engineer**

HCL Technologies

Oct 2003 - Jun 2005 (1 year 9 months)

Linux based C programming.

Experience in Cisco Firewall Service Module (FWSM) hardware product.

Developed VoIP protocols Deep Packet Inspection feature for SIP protocol. Handled issues in software release QA cycle.

## **Education**



**SDM College of Engg. Tech. Dharwad.**

Bachelor of Engineering (BE), Computer Science

1998 - 2002