

ERAGAMREDDY VENKATA SREEKANTH

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OBJECTIVE:

Exceptionally accomplished and skilled Embedded Software Engineer with a zest for a challenging work environment with high degree of responsibility.

WORK EXPERIENCE:

Embedded Software Engineer with 2.5 years of Experience in Linux System Programming and C/C++ with **Qolsys Software India Private Limited**, Hyderabad.

Resume keywords summary: **C, C++, Shell scripting, Knowledge on Linux Device Drivers, And IOT**

An Embedded Software Engineer specialized in programming and skills to implement and develop exciting embedded products such as firmware, device drivers, programmable devices.

SUMMARY OF EXPERIENCE:

- **June 2019 – Till Date with Qolsys Software India Private Limited, Hyderabad.**
- Embedded Software Engineer in the field of Android Security system domain.
- Experience in customization of Linux kernel, Busy box and Bootloaders (U boot).
- Hands on experience in C Language.
- Testing daemon process and implementing daemon scripts.
- Cross compiling open-source tools, libraries and integrating with ARM based Soc.
- Good Knowledge on IPC & Synchronization Mechanism, Linux System and Socket Programing.

EDUCATIONAL SUMMARY:

B-Tech in Electronics and Communication Engineering from AITS(Annamacharya Institute of Technology & Sciences)-Rajampet with 64.29% Year 2015-2018.

Government polytechnic college with 69.04% year 2012-2015.

SSC from Gopi Krishna High School with 8.3 GPA year 2012.

TECHNICAL EXPERIENCE:

Programming Languages	:	C, Embedded C.
Operating Systems	:	Unix/Linux, Windows.
Tools	:	GDB, Make File, Keil u Vision and Valgrind, Iperf, CPP check, Add2line.
Processors	:	Qualcomm Snapdragon(msm8226, msm8953_64) and Rock chip.
Others	:	Linux Internals, I2C, SPI, UART protocols.

PROJECTS INVOLVED:

1.IQ2-Devices (Gen2), IQ2-Remote Device on Android Commercial:

Platform: **Rock Chip** with Android Kitkat and Lollipop.

Duration: **June 2019 to till date**

Languages, Tools and OS used: **C/ Linux, C++, Shell scripting, ARM toolchain and adb.**

Roles and Responsibilities:

- Verifying the memory leak for native services(mediaserver, cameracamera, logservice, protocol services, etc...).
- Checking Remote and primary panels pairing test cases (pair with wifi and access point, operations, etc...).
- Resource leaks find out using process id.
- Kernel Test cases and Wifi & power management modules checking in released builds.
- Verifying Reboot reasons in released builds.

2.IQ3-Device(Gen3) on Android Commercial:

Platform: Rock Chip with Android Pie.

Duration: **Oct 2019 to till date**

Languages, Tools and OS used: **C/ Linux, C++, Shell scripting, ARM toolchain and adb.**

Roles and Responsibilities:

- Stabilized the Reboot reason and Watch dog in native source code in IQHUB.
- Cross compiled all existing native services into 64 bit platform.
- Extapitest2 card table implementation in IQHUB project.
- Raised major/critical Jira issues regarding reboot reason feature those are completed(closed).
- Performed Exit criteria to launch the product in client environment without any critical and blocker defects in 3.0.0 version.
- Worked on optimization of memory management in IQHUB project.
- Prepared test plan for the new features regarding reboot reason, watchdog and verified them.

3.IQ4-Device (Gen4) on Android Commercial And IQ-Router:

Platform: Qualcomm Snapdragon msm8953_64 with Android Pie.

Duration: **Jan 2020 to till date**

Languages, Tools and OS used: **C/ Linux, C++, Shell scripting, ARM toolchain and adb.**

Roles and Responsibilities:

- Throughput verification in IQ Router2 using iperf tool
- Wifi & power management module test cases checking in released builds.
- Kernel Test cases (Boot time analysis, Cpu Load, Kernel Log analysis, Hardware discovery, etc...) checking in released builds.
- Raised major/critical Jira issues regarding reboot reason feature those are completed(closed).
- Created required binaries and libraries by using Android.mk and make files.

ACHEIVEMENTS:

- Certified From **Kernel Masters Hyderabad** in Embedded System Programming.
- Project **Smart Weather Monitoring Systems: Bluetooth, Wi-Fi** done in Kernel Masters.
- Project **AN IOT Based Real Time Weather Monitoring System by using Raspberry pi** done in B.Tech.

PERSONAL INFORMATION:

Name	:	SREEKANTH REDDY
Father Name	:	MURALI MOHAN REDDY
Date of Birth	:	10 th July 1996
Languages Known	:	English and Telugu
Hobbies	:	Playing sports, .

DECLARATION:

I here by declare that the above information is true to best of my knowledge.

Date :

Place :

(Sreekanth Reddy)