



**George Koruthu** premium Featured



Staff Engineer seeking roles in Application Development, Firmware Development, Linux device driver development, C Programming, defect management, de-bugging, Team Management, L2 Network Protocol (802.11) Development, Quality Management, Service Delivery

Current Designation: Staff Engineer  
Current Company: Mediatek  
Current Location: Noida  
Pref. Location: Bengaluru / Bangalore, Chennai, Hyderabad  
Functional Area: IT Software - Application Programming / Maintenance  
Role: Team Lead/Tech Lead  
Industry: Semiconductors/Electronics  
Marital Status: Single/unmarried  
Key Skills: Staff Engineer, Team Lead, Application Development, Firmware Development, Linux device driver development, C Programming, defect management, de-bugging, Team Management, L2 Network Protocol (802.11) Development, Quality Management, Service Delivery  
Verified : Phone Number

Last Active: Jan-Mar 2021 Last Modified: Jan-Mar 2021

Jump to Section [Work Experience](#) | [Education](#) | [IT Skills](#) |

## Summary

- \* A goal-oriented professional with 9+ years of experience in Linux Device Driver/Application/Firmware Development, L2 Network Protocol (802.11) development (+6 Year) and Team Management
- \* Expertise in Linux device driver/application development and L2 network protocol(802.11) development
- \* Proficiency in working with data path and control path of WiFi drivers; Skilled in IoT WiFi firmware development
- \* Experienced with working WiFi ASIC's; proficient in working with Openwrt based router SDK
- \* Skilled in overall application development life-cycle involving requirement analysis, system study, designing, architecture, testing, programming, coding, de-bugging, defect management, status reporting & documentation
- \* Strong communication, interpersonal & technical skills with the capability to grasp new concepts quickly and utilize the same in a productive manner

## Work Experience

**Mediatek** as Staff Engineer  
Jun 2014 to Till Date

### Key Responsibilities:

- \* Leading a team of 4-5 resources and providing assistance; leading Status Meeting, Code Review and Design Discussion
- \* Performing feasibility studies to validate capability and functionality; creating new concepts from initial design to market release
- \* Calculating development tasks and setting up plans for deliverables on release deadlines

Project: WiFi Easy Mesh Turnkey Software Development

Role: Linux application, device driver development

### Highlights:

- \* Worked as the team lead for software quality cycles.
- \* Design and development of turnkey features such as client steering, channel planning etc.

Project: WiFi 802.11 ax/ac ASIC Development for Wireless AP routers

Role: Linux device driver and firmware development

### Highlights:

- \* Developed WPA3 and Enhanced OWE for repeater mode.
- \* 802.11 ax (WiFi 6) feature development for BSS color.
- \* Feature qualification for WPA3, TGac and Tgn certifications.
- \* IGMP feature development for repeater networks.
- \* 802.11R Fast bss transition and 802.11KWW.

Project: WiFi 802.11 af TV White Space ASIC Development for Wireless AP routers

Role: Linux application, device driver and firmware development

### Highlights:

- \* Developed TV White Space (TVWS) feature for IEEE 802.11af standard.



## Important

- Using Free CV Search you have access to featured candidate profiles of Naukri. You can browse through the profiles and email the candidates of your choice directly using the email option provided. To prevent misuse of candidate information, contact details and attached resume of the candidates have been withheld.

- \* Developed Linux application to query channel validity information from Geolocation database (GDB)
- \* Worked with chip development from FPGA stage to ASIC.
- \* Implemented QA tool for chip verification.
- \* Incorporated WLAN driver with router board SDK package

Project: IoT Gateway ASIC Development

Role: WiFi Firmware development on FreeRTOS

Highlights:

- \* Participated in the development of WiFi firmware on ARM CM4 platform
- \* Developed customer features

#### • MRO-TEK Ltd as Firmware Engineer

Apr 2011 to Jun 2014

Project: Router with WAN (E1) interface

Role: Linux application and device driver development

Highlights:

- \* Contributed in the Implemented loopback functionality for performing WAN port diagnostics
- \* Provided & added BCM tag support as per BCM53101M for ethernet driver
- \* Developed the final production and test procedures for the product using interactive software
- \* Participated in the development of PPP Driver
- \* Executed IOCTL calls for accessing FPGA memory (PCI controller mapped onto FPGA) for application to access to FPGA
- \* Worked & implemented SPI driver for accessing flash memory chip

[^ Back to Top](#)

## Education

UG: B.Tech/B.E. (Electrical Engineering) from New Horizon College Of Engineering - Bangalore, Karnataka in 2010

PG: MBA/PGDM (Embedded Systems Design) from CDAC-ACTS, Bangalore in 2011

[^ Back to Top](#)

## IT Skills

Skill Name	Version	Last Used	Experience
Linux device driver development			
L2 Protocol development(802.11)			
FIRMWARE DEVELOPMENT			
C PROGRAMMING			

[^ Back to Top](#)

## Languages Known

Language	Proficiency	Read	Write	Speak
english				
hindi				
german				

[^ Back to Top](#)

## Affirmative Action

Category: General

Physically Challenged: No

## Work Authorization

Job Type: Permanent

Employment Status: Full time

[^ Back to Top](#)

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