



## Senior Staff Engineer - Systems

### Job description

Wireless Design Engineer- WLAN/WIFI/BLE/MAC/PHY

As a member in WLAN MAC systems team you will play a key role spanning from development, implementation of protocols at MAC layer on 802.11 standards including 802.11be 802.11ax , 802.11ac and legacy standards.The key responsibilities would be :

- a. Design, analysis, development & maintenance of WLAN L-MAC FW in custom assembly based on the latest 802.11 Standards.
- b. Design/Enhance system power optimization techniques.
- c. Pre-Si design verification of MAC layer using scripting languages like TCL/python and validate in simulation environment.
- d. Working with various Cross functional teams like PHY systems, Firmware development, Hardware design teams to define, document the interfaces to L-MAC layer and enable verification
- e. Hands on silicon bring-up and meet MAC KPI's
- f. Debugging and solving cross layer customer issues – working across boundaries of WLAN MAC, PHY, CHIP – while staying focused on the underlying problem.

Your role would also require you to

- a. Identifying issues and proposing design and methodology improvements while driving compliance of existing design flow
- b. Mentoring and training other team members as necessary
- c. Creating collateral for internal and external use as necessary

### Profile

1. 10+ Masters in Electronics/Computer Science Engineering or 12+ years with Bachelors in Engineering in Electronics/ Computer Science
2. Sound basics in wireless communication systems and embedded system design / programming.
3. Hands on experience of programming in Assembly language, C
4. Good debugging skills in C, using gdb, analysing crashes using stack trace are essential
5. Fair understanding of WiFi debugging tools using Wireshark etc
6. Familiarity with IEEE 802.11 standards is desirable
7. Knowledge of Tcl/Python/System C would be plus
8. Ability to work with large, global, cross functional team
9. Good communication and presentation skills.

### Benefits

### At a glance

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Location:

Job ID: **334269**

Start date: **as soon as possible**

Entry level: **5+ years**

Type: **Full time**

Contract: **Permanent**

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### Contact

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## Why Us

**Part of your life. Part of tomorrow.**

We make life easier, safer and greener – with technology that achieves more, consumes less and is accessible to everyone. Microelectronics from Infineon is the key to a better future. Efficient use of energy, environmentally-friendly mobility and security in a connected world – we solve some of the most critical challenges that our society faces while taking a conscientious approach to the use of natural resources.

