Driving
decarbonization
and digitalization.
Together.

Senior Staff Engineer Systems

Job description

Design, analysis, development & maintenance of WLAN L-MAC microcode in custom assembly for 802.11 standards including 802.11a/b/g/n/ac/ax/be.

In your new role you will:

- Design , develop & maintain **WLAN L-MAC microcode** in custom assembly for 802.11 Standards.
- Work on developing the L-MAC microcode to be compliant with the latest **802.11** standards including 802.11a/b/g/n/ac/ax/be.
- Design/Enhance system power optimization to meet standard & protocol specs.
- Pre-Si design verification of MAC layer using scripting languages like **TCL/python** and validate in emulation environment.
- Work with various Cross functional teams like PHY systems, Firmware development, Hardware design teams to define, document the interfaces to L-MAC layer.
- Hands on **silicon bring-up** and meet MAC KPI's like packet processing latency, power save modes.
- Debugging and solving cross layer customer issues – working across boundaries of **WLAN MAC, PHY, CHIP** – while staying focused on the underlying problem.
- Identifying issues and proposing design and methodology improvements while driving compliance of existing design flow
- Mentoring and training other team members as necessary
- Creating collateral for internal and external use as necessary

Profile

You are best equipped for this task if you have:

- Should have 8+ years experience in WLAN, MAC,802.11 standards including 802.11a/b/g/n/ac/ax/be.
- Masters in Electronics/Computer Science Engineering or 10+years with Bachelors in Engineering in Electronics/ Computer Science
- Sound basics in wireless communication systems and embedded system design / programming.
- Hands on experience of programming in Assembly language, C
- Good debugging skills in C, using gdb, analysing crashes using stack trace are essential.

At a glance

Location:
Job ID: HRC0897024
Start date: **as soon as possible**
Entry level: **5+ years**
Type: **Full time**
Contract: **Permanent**

Apply to this position online by following the URL and entering the Job ID in our job search. Alternatively, you can also scan the QR code with your smartphone:

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Contact

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Why Us

#WeAreIn for driving decarbonization and digitalization.
As a global leader in semiconductor solutions in power systems and IoT, Infineon enables game-changing solutions for green and efficient energy, clean and safe mobility, as well as smart and secure IoT. Together, we drive innovation and customer success, while caring for our people and empowering them to reach ambitious goals. Be a part of making life easier, safer and greener.
Are you in?

We are on a journey to create the best Infineon for everyone.
This means we embrace diversity and inclusion and welcome everyone for who they are. At Infineon, we offer a working environment characterized by trust, openness, respect and tolerance and are committed to give all applicants and employees equal opportunities. We base our recruiting decisions on the applicant´s experience and skills.
Please let your recruiter know if they need to pay special attention to something in order to enable your participation in the interview process.
Click here for more information about Diversity & Inclusion at Infineon.