Driving decarbonization and digitalization. Together.

Sr Application Engineer Motor Control

Job description

In your new role you will:

- Provide technical assistance related power semiconductor switches and drivers.
- Ability to debug customer technical issues on MOSFETs, SiC FETs & drivers used in different power converter circuits.
- Provide hardware development services to realize Customer applications using Infineon products
- Ability to analyze and debug different failure conditions in power semiconductor devices and the power converter circuits.
- Must have very good communication skills, both written and verbal.
- Ability to work cross-functionally with Marketing, hardware design, chip design, and software and content development teams
- Good problem-solving skills.

Profile

You are best equipped for this task if you have:

- Bachelor's degree in **Electrical engineering or Electronics engineering**.
- Preferred Masters in electrical engineer /Power electronics/ Industrial Electronics/ Automotive electronics.
- Strong hands-on experience in the **design and testing of various DC-DC and AC-DC Converters** such as Synchronous Buck, Boost PFC, LLC, PSFB, and Flyback topologies.
- **Strong knowledge on power devices** such as Si FET, SiC FET, and GaN FET, etc..
- Familiar with the design of magnetics, control loops, sensing circuits .
- Hands on experience with **Power converter Simulation tools** (Simplis, LTSpice, Simetrix, TINA)
- Familiar with **analog and digital power controllers**
- Familiar with **schematic drafting and PCB design principles** for power converters.
- **Fluency in English and Spanish**

*****This position is based in Guadalajara**
*****Hybrid work mode**

At a glance

Location:	**Guadalajara (Mexico), Guadalajara (Mexico)**
Job ID:	**HRC0070081**
Start date:	**Jun 10, 2024**
Entry level:	**3-5 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:

Job ID: HRC0070081
www.infineon.com/jobs

Benefits

- **Guadalajara:** Möglichkeit für Coaching, Mentoring & Netzwerken; Trainingsangebot & strukturierte Entwicklungsplanung; Verschiedene Karrierepfade: Project Management, Technical Ladder, Management & Individual Contributor; Gesundheitsleistungen; Sozialberatung & Betriebsarzt; Gesundheits- & Vorsorgeprogramme; Fitness-Center; Cafeteria; Arbeitgeberfinanzierte betriebliche Altersvorsorge; Erfolgsbonus; Barrierefreiheit
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Why Us

Driving decarbonization and digitalization. Together.

Infineon designs, develops, manufactures, and markets a broad range of semiconductors and semiconductor-based solutions, focusing on key markets in the automotive, industrial, and consumer sectors. Its products range from standard components to special components for digital, analog, and mixed-signal applications to customer-specific solutions together with the appropriate software.

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.
We look forward to receiving your resume, even if you do not entirely meet all the requirements of the job posting.
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.