System Application Engineer, Firmware Design for Wireless Power

Job description

This is an exciting opportunity! We're looking for an embedded software/firmware design expert with system knowledge and hands-on experience in the firmware design of transmitters and receivers for wireless power applications. This individual will be one of the key members of our switching power and battery-powered application engineering team. He/she will work closely with Applications Marketing, product line engineering team, and sales teams closely to drive revenue growth by developing custom reference firmware and providing high-quality technical support. The position is highly visible with a great career path.

In your new role you will:

- **Work with the application marketing manager clos ely** to develop firmware reference designs for wireless power in various applications
- **Work with hardware engineer for system integration and validation tests** of wireless power system reference designs per customer specification, Provide detailed technical support to customers to solve system application problems with firmware changes
- Provide feedback and recommendations to the product line applications engineering team and marketing for new product development
- Help product line team and customers to complete WPC certification of wireless power reference designs
- **Generate test report and application guide/manual** for wireless power firmware
- May provide firmware support to other digital power solutions as needed based on customer's request
- **Develop technical training documents** and perform training/seminars for FAEs and customers

Profile

You are best equipped for this task if you have:

- **BA - M.S. in EE with 5+ years of experience in embedded software design for power converters and power amplifiers**
- **Hands-on design experience in firmware architecture and design implementation** for wireless power system solutions
- Detail knowledge of wireless power systems, WPC standards,s, and certification process
- Detail knowledge of ARM processor or DSP for various power applications

At a glance

At a glance

Location:

Job ID: **353515**

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:

Job ID: **353515**
www.infineon.com/jobs

- **Proficient computer Proficient in computer languages and software development** with C, C++, Assembly language, Python, etc.
- Excellent communication skills with internal and external customers
- **Passion for business success** with concerted teamwork and a can-do attitude

Infineon **Power & Sensor Systems (PSS)** semiconductors play a vital role in enabling intelligent power management, smart sensitivity as well as fast and reliable data processing in an increasingly digitalized world.

Our leading-edge power devices make chargers, adapters, power tools and lighting systems smarter, smaller, lighter and more energy-efficient. Our trusted sensors increase the context sensitivity of "things" and systems such as HMI, and our RF chips power fast and reliable data communication.

– **We drive leading-edge power management, sensing and data transfer capabilities** –

Click here for more information about working at PSS with interesting employee and management insights and an overview with more #PSSDreamJobs.

Why Us

Part of your life. Part of tomorrow.

Infineon is a world leader in semiconductor solutions that make life easier, safer, and greener. Our solutions for efficient energy management, smart mobility, and secure, seamless communications link the real and the digital world.

Infineon Technologies Americas Corp. is an equal opportunity employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex (including pregnancy, childbirth, or related medical conditions), gender identity, national origin, ancestry, citizenship, age, physical or mental disability, legally protected medical condition, family care status, military or veteran status, marital status, domestic partner status, sexual orientation, or any other basis protected by local, state, or federal laws. Applicants with questions about access or requiring a reasonable accommodation for any part of the application or hiring process should contact the Talent Network by phone at (408) 503-2194.

Employment at Infineon is contingent upon proof of your legal right to work in the United States under applicable law, verification of satisfactory references and successful completion of a background check and drug test, and signing all your on-boarding documents .

In some instances, if applicable, U.S. export control laws require that Infineon obtain a U.S. government export license prior to releasing technologies to certain persons. This offer is contingent upon Infineon's ability to satisfy these export control laws as related to your employment and anticipated job activities. The decision whether or not to submit and/or pursue an export license to satisfy this contingency, if applicable, shall be at Infineon's sole discretion.

IMPORTANT NOTICE :
Infineon is requiring all new U.S. employees and contractors to be fully vaccinated against COVID-19. Full vaccination is defined as two weeks after both doses of a two-dose vaccine or two weeks since a single-dose vaccine has been administered. Anyone unable to be vaccinated, either because of a sincerely held religious belief or a medical condition or disability that prevents them from being vaccinated, can request a reasonable accommodation.

Infineon Technologies takes data privacy and identity theft very seriously. As such, we do not request personally-identifiable information (PII) from applicants over the internet or electronically. Please kindly refrain from disclosing your PII electronically during the application process or to unauthorized websites that may purport to be Infineon or any of our affiliates.
#LI-SM1