



Senior Staff Engineer Application Engineering

Job description

Proven experience in embedded software development preferably firmware development for MCU, ASIC or similar hardware controllers

In your new role you will:

- Actively interact with Concept Engineers and System Application Engineer team to deeply understand customer requirements on power of charger/adaptor applications
- Define and develop customized embedded firmware solutions AC/DC Controller firmware on Flyback /Hybrid Flyback / LLC etc. to meet customer the timelines, quality, security and foot-print requirements
- Be responsible for design and drive FW implementation/modifications
- Debug and solve FW problems in real time hardware system during development as well post release phase together with hardware FAEs
- Write up technical documentations of FW diagram and application notes.

Profile

You are best equipped for this task if you have:

- BSEE or higher degree in Electronics, Computer Science Engineering
- Proven experience in embedded software development preferably firmware development for MCU, ASIC or similar hardware controllers
- Experience in developing and testing communication interfaces, such as I2C, I3C, SPI and UART
- Solid experience in programming language C and scripting language Python
- Good understanding of ARM CortexM architecture and toolchain, memory management, linking process
- Good problem solving and debugging skills with a can-do attitude
- Be familiar with the power supply topologies and control methodologies would be a plus
- Proficient oral and written English

Benefits

- **Shenzhen**, : Coaching, mentoring networking possibilities; Wide range of training offers & planning of career development; International assignments; Different career paths: Project Management, Technical Ladder, Management & Individual Contributor; Flexible working conditions; Medical coverage; On-site social counselling and works doctor, in Wuxi only.; Provision of health tips, health knowledge sharing, annual medical check; Employees in Shanghai are entitled to

At a glance

Location: **Shenzhen, (China)**
Job ID: **343092**
Start date: **as soon as possible**
Entry level: **5+ years**
Type: **Full time**
Contract: **Permanent**

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Private insurance offers in some sites.; Wage payment in case of sick leave;
Corporate pension benefits in some sites.

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.

