



Staff Engineer System Application Engineering SMPS WBG

Job description

In your new role you will:

1. Contribute to the design and hardware development of SMPS using WBG power device platforms
2. Develop and debug WBG applications while providing detailed analysis and solution documentation
3. Follow trends in WBG applications and evaluate consequences using WBG power device
4. Responsible to support technical go-to-market activities in the region to secure design-in
5. Work closely with sales and marketing groups to achieve corporate sales goal in alignment with corporate strategy.
6. Enable and accelerate WBG power device adoption in the region
7. Support end customers who are employing WBG devices from Infineon to achieve DI and DW

Profile

You are best equipped for this task if you have:

- Minimum of Degree of Bachelor in Power Electronics Engineering or equivalent.
- Minimum 5 years of engineering experience in switched mode power supply (SMPS).
- Application Engineer or Field Application Engineer experience in SMPS field is preferred.
- Experience in high-power SMPS design and its system application with good skill of technical problem analyze and solving.
- Be familiar with components employed in SMPS, i.e. MOSFET, SiC MOSFT, GaN transistor and magnetic components.
- Be familiar with topologies widely used in SMPS, i.e. bridge/bridgeless PFC, LLC, phase shift full-bridge, ACF.
- Be familiar with international and local SMPS standards related to safety, application, charging and so on.
- Be familiar with software of sch. circuit, PCB layout, simulation and so on.
- Good command of both spoken & written English.
- Strong team player, aggressive, initiative, independent and hard working with good interpersonal and communication skills.
- Multinational company experience is an added advantage.

Benefits

At a glance

Location: **Shanghai, (China)**
Job ID: **330962**
Start date: **as soon as possible**
Entry level: **5+ years**
Type: **Full time**
Contract: **Permanent**

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Job ID: **330962**
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- **Shanghai, :** 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 use a gym located close to the office for free; On-site canteen, in Wuxi only.; 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.

