



Staff Applications Engineer

Job description

Strong experience in the areas of DC/DC and AC/DC - Fly back and LLC resonant converters also hands on lab bring up and debugging of analog circuits, voltage regulators, and power distribution circuits

In your new role you will:

- Strong experience in the areas of DC/DC and AC/DC - Fly back and LLC resonant converters
- Hands on lab bring up and debugging of analog circuits, voltage regulators, and power distribution circuits
- Knowledge of Battery Management in battery powered application is a plus.
- Knowledge of power conversion topologies, magnetics and control system design with extensive lab skills to test and debug of switch mode power supplies
- Knowledge of power MOSFET, gate driver requirements and parameters, and experience with controller modeling.
- Must have very good communications skills, both written and verbal.
- Ability to work cross functionally with Marketing, hardware design, chip design, and software and content development teams

Profile

You are best equipped for this task if you have:

- 6+ years of hands-on experience in high-frequency, high-current, high voltage, high-density AC/DC DC/DC designs.
- In depth knowledge/experience in SMPS/PSU (power supply unit) design and the topologies.
- Knowledge of power MOSFET, gate driver requirements and parameters, and experience with controller modeling.
- Familiar with Safety, EMC and Energy compliance testing of power supplies
- Experience with simulation tools such as Simplis, Spice, Mat lab
- In depth experience in Mixed Signal PMIC IC architecture for topologies such as Buck Boost, LLC and similar
- Experience in IC architecture of USB-PD, Wireless Charger and/or similar high-density chargers

Benefits

At a glance

Location: **Bangalore (India)**
Job ID: **334588**
Start date: **as soon as possible**
Entry level: **5+ years**
Type: **Full time**
Contract: **Permanent**

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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.

