



## Staff Applications Engineer

### Job description

Strong experience in the areas of DC/DC and AC/DC - Fly back and LLC resonant converters with 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 in USB - PD is 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: **334586**  
Start date: **as soon as possible**  
Entry level: **5+ years**  
Type: **Full time**  
Contract: **Permanent**

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- **Bangalore:** Coaching, mentoring & networking possibilities ; Wide range of training offers & planning of career development; Regional and local talent programs; International assignments; Career paths: Management career, Project management career, Technical ladder career, Individual contributor career, Professional career; Flexible work timing, Part time work, Work from home; Home office; Health & wellness reimbursement, Employee motivation forum, Spoorthi – Diversity club, Master health check up, Health promotion campaigns; Crèche facility; Annual success bonus; Mediclaim (dependents & top up), Personal accident, Term life; National Pension Scheme; Health promotion programs; Statutory benefits; Access for wheelchairs; On-site canteen; Paid sick leave, long term illness leave; On site Yoga classes, Sports club

## 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.

