

# Driving decarbonization and digitalization. Together.



## Principal Engineer Product Application Engineering HV - HRC0752358

### Job description

In your new role you will:

- Contributing to major product cross-functional teams for both product development and customer supporting;
- Prototyping and producing requirements definitions for new application and solutions;
- Producing content in support of new GaN and controller/ gate drivers products, including:
  1. New product definition/ validation;
  2. Hardware & System-level designs/ reviews including schematic, layout and component selection for demo boards/ EVBs/ reference designs /customer requests;
  3. Deep analysis on products and find the value propositions;
  4. Technical documentation and promoting materials such as datasheets, technical reference manuals, application notes and knowledge base articles;
  5. Technical training for external customers and Infineon Sales, Marketing and Applications
- Enabling customer design-in of products and solutions through architectural collaboration, technical support, training and failure analysis.

### Profile

You are best equipped for this task if you have:

- Bachelor's degree above in Electrical Engineering or an equivalent field, experience on Charger/ Adapters, SMPS, AC/DC, Solar, ESS, inverter, Motor Drivers is preferred;
- Extensive knowledge of AC/DC and high voltage DC/DC system level designs with experience in testing, tuning, debugging and device selection;
- Strong understanding of one of the following category,
- Strong understanding of switching power supplies (SMPS) and power supply topologies like PFC, LLC, hybrid flyback, active-clamp flyback, QR flyback, etc.
- Strong understanding of Motor driver, Inverters;
- Strong understanding of Solar, Energy Storage, and Industrial Power Applications.

### At a glance

Location: **Shenzhen, (China), Shanghai, (China)**  
Job ID: **HRC0752358**  
Start date: **as soon as possible**  
Entry level: **5+ years**  
Type: **Full time**  
Contract: **Permanent**

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Job ID: **HRC0752358**

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### Contact

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- Problem solver, and happy to help on customer's technical requirements;
- Be familiar with software tools such as Altium Designers, Mathcad/Matlab, PLECS, Simplis/Simetrix, Lab view;
- Familiar with digital control with FPGA or MCU/ DSP will be a plus;
- Understanding the switching power component MOSFET, IGBT etc. GaN and SiC MOSFET experience is a plus;
- Teamwork, self-discipline/ motivated/ innovative and aggressive;
- Good verbal and written communication skills.

## 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 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.
- **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

### Driving decarbonization and digitalization. Together.

Infineon designs, develops, manufactures, and markets a broad range of semiconductors and semiconductor-based solutions, focusing on key markets in the automotive, industrial, and consumer sectors. Its products range from standard components to special components for digital, analog, and mixed-signal applications to customer-specific solutions together with the appropriate software.

### We are on a journey to create the best Infineon for everyone.

This means we embrace diversity and inclusion and welcome everyone for who they are. At Infineon, we offer a working environment characterized by trust, openness, respect and tolerance and are committed to give all applicants and employees equal opportunities. We base our recruiting decisions on the applicant's experience and skills.

We look forward to receiving your resume, even if you do not entirely meet all the requirements of the job posting.

Please let your recruiter know if they need to pay special attention to something in order to enable your participation in the interview process.

[Click here](#) for more information about Diversity & Inclusion at Infineon.

