

# Driving decarbonization and digitalization. Together.



## Senior Engineer Design

### Job description

Design analog and mixed-signal modules in CMOS and Smart PowerTechnologies, with a particular focus on achieving high-efficiency power conversion for applications using GaN devices;

In your new role you will:

- **Design analog and mixed-signal modules** in CMOS and Smart PowerTechnologies, with a particular focus on achieving high-efficiency power conversion for applications using GaN devices;
- **Design and verify pre-silicon** analog/mixed-signal integrated circuit blocks, including incorporating features for testing and quality assurance, and providing support for top-level integration;
- **Assist in defining the requirements** for analog and mixed-signal blocks, aligning them with IP Module architecture, and ensuring compliance with requirements through documentation;
- Estimate effort and planning design work packages to meet project milestones;
- **Provide essential support** to physical design engineers, post-silicon verification, production testing, and other critical activities extending beyond the design phase

### Profile

You are best equipped for this task if you have:

- A Master's Degree in Electrical/Electronic Engineering, Physics or equivalent field of studies;
- Experience in analog and mixed-signal circuit design, particularly in CMOS and Smart Power Technologies;
- Good Analytical skills and very good understanding of Analog Design
- Familiarity with high-efficiency power conversion, such as DC DC converters, is highly desirable;
- Experience in pre-silicon verification and with SystemVerilog would be a plus;
- Proficiency in computer-aided design tools and methodologies;

### At a glance

Location: **Bangalore BTP (India)**  
Job ID: **HRC0746058**  
Start date: **Jun 03, 2024**  
Entry level: **1-3 years**  
Type: **Full time**  
Contract: **Permanent**

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### Contact

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- Excellent problem-solving and communication skills;
- Ability to work effectively in a collaborative team environment;
- Detail-oriented with a commitment to quality and precision;
- Fluency in English

## 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.

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.

