

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: **HRC0832053**
Start date: **Aug 01, 2024**
Entry level: **1-3 years**
Type: **Full time**
Contract: **Permanent**

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Job ID: **HRC0832053**
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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.

