

Driving decarbonization and digitalization. Together.



Staff Engineer Functional Verification

Job description

work out optimization opportunities in the area of verification methodology and verification coverage through integrating the results achieved into Infineon's design system and supporting their implementation in the development of new product

In your new role you will:

- be in continuous and intensive contact with our development sites worldwide;
- advise and support the experts from our business units in verification projects;
- drive the internal exchange of know-how and experience at Infineon;
- work out optimization opportunities in the area of verification methodology and verification coverage through integrating the results achieved into Infineon's **design system** and supporting their implementation in the development of new products;
- collaborate with other disciplines (e.g. Application Engineering) to define the **verification methodology** and the verification plan;
- design and develop the verification environment for ICs using the "**Universal Verification Methodology**" (**UVM**);
- independently identify sub-modules that are particularly suitable for Formal Verification and apply this methodology;
- implement test scenarios using SystemVerilog and verify functionality using a Constrained Random Approach;
- use the **Unified Power Format** (UPF) to verify the low-power aspects of our designs;

Profile

You are best equipped for this task if you have:

- You have a degree in Electrical Engineering, Computer Science or a similar academic discipline.
- You have at least five years of professional experience in Metric Driven Verification (digital & mixed-signal) and Formal Verification.
- You have experience with microcontroller-based **ICs** and ideally with security and safety requirements.
- You are experienced in the creation and dissemination of methods in the area of **functional verification**.
- You have an excellent understanding of and application skills in **UVM and UPF**.

At a glance

Location: **Bangalore BTP (India)**
Job ID: **HRC0826870**
Start date: **as soon as possible**
Entry level: **5+ years**
Type: **Full time**
Contract: **Permanent**

Apply to this position online by following the URL and entering the Job ID in our job search. Alternatively, you can also scan the QR code with your smartphone:

Job ID: **HRC0826870**
www.infineon.com/jobs



Contact

swati.gupta@infineon.com



- You have sound knowledge of firmware and **RTL design (VHDL)** -experience with Cadence verification software is a plus.
- You have some initial experience in technical leadership and project management

Why Us

#WeAreIn for driving decarbonization and digitalization.

As a global leader in semiconductor solutions in power systems and IoT, Infineon enables game-changing solutions for green and efficient energy, clean and safe mobility, as well as smart and secure IoT. Together, we drive innovation and customer success, while caring for our people and empowering them to reach ambitious goals. Be a part of making life easier, safer and greener.

Are you in?

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.

