

Driving decarbonization and digitalization. Together.



Principal Engineer - Synthesis & STA

Job description

Strong understanding of digital design principles, and experience with RTL coding in Verilog/System Verilog.

In your new role you will:

- Experience with power analysis and optimization flows such as **power gating, clock gating, voltage scaling**, and dynamic voltage **frequency scaling**.
- Experience with scripting languages such as **Perl, Python, or Tcl**.
- Excellent problem-solving skills and ability to work independently and in a team environment.
- Strong communication and interpersonal skills, with the ability to interact effectively with cross-functional teams.
- Proven track record of delivering successful designs on time and meeting performance, power, and area goals.

Profile

You are best equipped for this task if you have:

- Bachelors or Masters in Electrical/Electronics Engineering with 12+ years of relevant experience.
- Strong understanding of **digital design principles**, and experience with **RTL coding in Verilog/System Verilog**.
- In-depth knowledge of **synthesis** methodologies and tools from leading EDA vendors.
- Experience with writing design constraints for synthesis, static timing analysis, timing closure, gate level simulation and pipelining at different levels for performance optimization and timing closure.

Benefits

- **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,

At a glance

Location: **Bangalore (India)**
Job ID: **HRC0710460**
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: **HRC0710460**
www.infineon.com/jobs



Contact

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Spoorthi – Diversity club, Master health check up, Health promotion campaigns; Crèche facility; Annual success bonus; Medclaim (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

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.

