

# Driving decarbonization and digitalization. Together.



## Staff Engineer System

### Job description

Research, Design, develop, test, deploy, maintain, and improve software and new user-facing features in one of Infineon's R&D products.

In your new role you will:

- Conceiving, researching, and prototyping new methodologies and frameworks, with a special emphasis on **SystemC and C++** based infrastructures.
- Catering towards early estimation of functional **verification, performance**, power, area, and thermal aspects.
- Maintaining substantial knowledge of state-of-the-art principles and theories.
- Regularly contributing to scientific literature and the research community at large.
- Potentially participating in the development of intellectual property

### Profile

You are best equipped for this task if you have:

- Bachelors/Masters/PhD in Electrical/Computer Science, or a relevant engineering discipline with 4 –12+ year experience.
- Experience in developing C++/SystemC, TLM based models for the virtual platform of a SoC
- Strong C++ development and debugging skills using popular IDEs/debuggers.
- Very good proficiency in C++, OOPS, STL, data structures, algorithms, and programming concepts.
- Knowledge of RISC-V and other computer architecture aspects.
- Cache and memory hierarchy understanding is a strong plus.
- ML accelerator architecture

### 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;

### At a glance

Location: **Bangalore (India)**  
Job ID: **HRC0399682**  
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: **HRC0399682**  
[www.infineon.com/jobs](http://www.infineon.com/jobs)



### Contact

[swati.gupta@infineon.com](mailto:swati.gupta@infineon.com)



Home office; Health & wellness reimbursement, Employee motivation forum, 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.

More about diversity & inclusion at Infineon at <https://www.infineon.com/cms/en/careers/diversity-and-inclusion/>

