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:
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

Contact

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infineon

Home office; Health & wellness reimbursement, Employee motivation forum, Spoorthi – Diversity club, Master health check up, Health promotion campaigns; Crèche facility; Annual success bonus; Mediclaim (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/