

# Driving decarbonization and digitalization. Together.



## Senior Specialist Design System

### Job description

Infineon Technologies is looking for self-driven and independent researchers in the area of system modelling research applied towards virtual prototyping.

- Infineon Technologies is looking for self-driven and independent researchers in the area of system modelling research applied towards virtual prototyping.
- We are focused on delivering new virtual prototypes and methodologies that will help in reducing the time to market of the chips.
- We also work in close collaboration with leading academics and industry partners to accomplish our mission.
- In this position, you will be responsible for conceiving, researching, and prototyping new virtual prototyping methodologies and frameworks, with special emphasis on SystemC based infrastructures
- Furthermore, you are expected to maintain substantial knowledge of state-of-the-art principles and theories and contribute regularly to scientific literature and the research community at-large.
- You may also participate in the development of intellectual property

### Profile

- B.Tech/B.E/M.Tech/PhD in Electrical/Computer Engineering, Computer Science, or a relevant engineering discipline with 3-10 years' experience.
- Virtual Prototyping
  - 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.
- Proficiency in C++, OOPS, STL, data structures, algorithms and programming concepts.
- FPGA Methodology (Good to have)
- Integrating systems using known FPGA tool chain - VIVADO, Quartus etc.
- Analog Front End
- Hands-on experience on design debugging in FPGA
- Hands-on experience on creating debug channel on FPGA
- Knowledge of popular embedded processors, e.g. RISC-V, ARM, MIPS, etc. Experience in Virtualizer and Platform Architect
- Experience in GUI development With C++ in windows environment.
- Experience in developing hardware components in FPGA

### At a glance

Location: **Bangalore (India)**  
Job ID: **79804**  
Start date: **as soon as possible**  
Entry level: **3-5 years**  
Type: **Full time**  
Contract: **Temporary**

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Job ID: **79804**  
[www.infineon.com/jobs](http://www.infineon.com/jobs)



### Contact

[@Chowta.external@infineon.com](mailto:@Chowta.external@infineon.com)



- Programming languages (C/C++),OOPS

## 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, 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.

