



Principal Design Engineer

Job description

We are looking for experts in the area of Silicon product development preferably in micro controller space

Responsibilities: Design of CPU Subsystem IPs including literature search, bench marking, feature definition, micro architecture, logic design and optimization for Power, Performance and Area for Multi-core CPU Subsystems for Complex SoCs targeting Consumer/Automotive and IoT applications.

Profile

- Must have 10+ years of hands on experience in relevant domain
- Proven expertise in Silicon product development preferably in micro controller space
- Experience with designing/dealing with various type of blocks like SRAM, SROM, embedded Flash macros etc.
- The ability to work as an individual and as part of a team to deliver complex IPs starting from the creation of the spec, design, verification, and finally high volume productization is a strong requirement.
- Expertise in dealing and designing with complex IP's from different sources onto the same piece of silicon.
- Understand system implications of the silicon design decisions.
- Strong knowledge of ARM processors (Cortex-M0, M0+, M4, M7, M33, A5 etc..), micro-controller IP design using ARM processors, AHB, AXI is mandatory.
- Knowledge & experience of Microarchitecture, RTL, Synthesis, STA etc..
- Good problem solving skills. For Logic design, experience with Logic Synthesis, Linting, CDC and DFT tools is preferred.
- The candidate should be able to demonstrate the following behaviors:
- Work effectively with both internal and external teams/customers is expected.
- Mentor other engineers and technically guide them.
- Experience with silicon which include ARM micro controller and custom Analog Blocks working together.
- Strong written and verbal communication skills
- Facilitator of direct and open communication, diversity of opinion, and debate.
- In addition, be self-motivated with the initiative to seek constant improvements in the logic design methodologies.

At a glance

Location: **Bangalore (India)**
Job ID: **355670**
Start date: **as soon as possible**
Entry level: **5+ years**
Type: **Full time**
Contract: **Permanent**

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- The candidate must also possess strong initiative, analytical/problem solving skills, team working skills, ability to multitask and be able to work within a diverse team environment.

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; 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

Part of your life. Part of tomorrow.

Infineon is a world leader in semiconductor solutions that make life easier, safer, and greener. Our solutions for efficient energy management, smart mobility, and secure, seamless communications link the real and the digital world.

Connected Secure Systems (CSS) delivers security for the connected world –

The Connected Secure Systems (CSS) segment offers comprehensive systems for a secure, networked world with a portfolio built around reliable, trendsetting microcontrollers as well as wireless connectivity and security solutions. Over the past decades, CSS has developed microcontroller, Wi-Fi, Bluetooth and combined connectivity solutions (known as connectivity combos) and hardware-based security technologies. The products are used in a broad range of applications: from consumer electronics, IoT and home appliances to IT equipment, cloud security and networked cars all the way to credit and debit cards, electronic passports and IDs. With its leading technologies in the areas of computing, connectivity and security, CSS makes a decisive contribution to protecting today's and tomorrow's networked systems.

