



Senior Principal Systems Architect

Job description

We are looking for Senior System Architect who has expertise in system Architecture of Wireless SoC-S for IoT products.

Senior System Architect is expected to perform these tasks:

- System Architecture of Wireless SoC-S for IoT products.
- Define the product working with Marketing, Customers, IC Design and SW Teams.
- Study Architectural trade-offs and make recommendations.
- Document Architectural Specifications for the entire product (IP, SoC, SW).
- Drive Power/Performance/Area modeling and optimization studies.
- Architect CPU, Memory and Interconnect sub-systems.
- Work closely with IC design teams on micro-architecture and implementation choices through the course of the design cycle for optimal power/performance /area/functionality.
- Work closely with SW Architects on SW-reuse and SW optimization choices.
- Architect integration of Complex/Sensitive IP-s (Wi-Fi, BT, Analog, PMU).
- Power and Clock distribution and synchronization architecture.
- Security Architecture (Physical, Logical, SW).
- Debug and Trace Architecture.

Profile

Successful candidate would have:

- Demonstrated experience in leading SoC Architecture from inception to high-volume production.
- Min 15 years of experience in Architecture and/or SoC Design roles.
- Experience in Wireless SoC Architecture/Design (Cellular, Wi-Fi, BT etc.).
- Deep technical knowledge in at least five of: CPU sub-systems, Memory architectures, Power management and modeling, Machine Learning, Security, Graphics, Wireless, Debug and Trace, Performance modeling/benchmarking, Area estimation, Analog, I/O design.
- Excellent team-work skills, working with a wide cross-functional team and peers.
- Excellent documentation, presentation skills.
- Excellent skills in listening to various view-points, incorporating them, articulating the value of solution and defending the architectural choices.

At a glance

Location: **Bangalore (India)**
Job ID: **324730**
Start date: **as soon as possible**
Entry level: **5+ years**
Type: **Full time**
Contract: **Permanent**

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Contact

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- Strategic vision to recommend new architectures/avenues from roadmap perspective.
- Passion for customer success

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

Part of your life. Part of tomorrow.

We make life easier, safer and greener – with technology that achieves more, consumes less and is accessible to everyone. Microelectronics from Infineon is the key to a better future. Efficient use of energy, environmentally-friendly mobility and security in a connected world – we solve some of the most critical challenges that our society faces while taking a conscientious approach to the use of natural resources.

