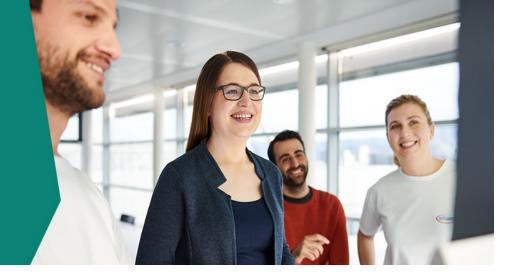# Driving decarbonization and digitalization. Together.

Distinguished System Architect, Innovation

Job description

You have 20+ years of deep technical experience in architecture and/or development roles in Software, SoC, System or Application engineering roles involving cross-functional teams within a global organization. You thrive at embracing the mindset of "the customer's customer" to come up with Innovative system architectural solutions that will transform lives and the IoT industry. In this role, you will hone in on application trends, develop deep architectural specifications and differentiation frameworks to win in the IoT market. If you are passionate about driving innovation and forward-looking vision then we have the opportunity for you!

In your new role you will:

- Embrace the mindset of "our customer's customer" to come up with **Innovative system architectural solutions** that will transform lives and the **IoT industry**
- Research System **architecture trends in IoT products** from a forward-looking perspective: e.g. Smart Homes of the future and map them to functionality required in Wireless Connectivity, Compute/ML, Sensing/HMI, Energy/Power etc.
- Engage in deep "eye to eye" **communication with our customers** to understand their challenges, anticipate trends and propose Innovative solutions that will help our customers and their customers
- Develop deep **architectural specifications detailing Energy** (e.g. detailed Battery Life models for different use cases), **Performance and Cost** for various solutions involving multiple SoC-s, SW partitioning, power electronics and PCB/Module BOM optimizations
- **Understand the "application trends"** and identify missing/new" functional blocks" which are required for the applications of the future
- **Develop Differentiation Frameworks** to win in the IoT market: what functions are required, where we need to differentiate and how they should be architected
- **Collaborate with technical and business experts** in different domains to bring out the best from what we have today and influence where we need to go tomorrow based on System level understanding
- **Develop algorithms and architectures** which can turn into valuable System Patents/IP

Profile

You have an energetic, innovative mindset with excellent team work, networking and communication skills.

You are best equipped for this task if you have:

At a glance

Location:	
Job ID:	HRC0502121
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: **HRC0502121**

www.infineon.com/jobs

(infineon)

- **Master's degree (PhD preferred)** in Electrical Engineering, Mechanical Engineering, Physics or related field
- **20+ years of technical experience** in architecture and/or development roles in Software, SoC, System or Application engineering roles
- Experience architecting and/or **specifying the technical requirements** of end customer **IoT products** such as Smart Thermostats, Power Tools and Smart Watches
- Deep **architectural expertise** in at least three areas among: **Wireless Systems** (e.g. Wi-Fi, BT/15.4, UWB, NFC), **ML/AI** (Models, Training, SW and HW aspects), **Sensors** (touch, environmental, vision, audio etc.), **Power Systems** (switches, power conversion), **Motor control, MCU sub-systems** (Analog, Graphics, Audio etc.)
- Demonstrated history of innovation and forward-looking vision (e.g. **patents, publications** and product success stories)
- Experience with physical and aesthetic aspects of **product design** such as form-factor, thermals and mechanical design, component choices, durability and electronics placement
- Passion for **Innovation, High energy** and persistence when faced with failure
- Ability to bring cross functional teams with disparate backgrounds and get things done
- Demonstrated ability of showcasing compelling **proof-of-concept demos** to executives

– 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.

Click here for more information about working at CSS with interesting employee and management insights and an overview with more **#CSSDreamJobs.**

Benefits

- **San Jose, CA:** Medical, Dental & Vision Plans; Flexible Reimbursement Accounts (FSAs); Industry leading 401k Employer Contribution/Match; Company Performance Bonus; Holiday Pay & Paid Time Off (PTO); Flexible Working Conditions, Part-time Options; Different career paths: Project Management, Technical Ladder, Management & Individual Contributor; Wide range of Training Offers & Career Development Planning; Coaching, Mentoring, Networking Possibilities; International assignments; Basic Life & Dependent Life Insurance; Paid Sick Leave, Accidental Death & Disability Insurance (AD&D) ; Short-term & Long-term Disability ; Employee Assistance Program (EAP) ; Health Promotion Programs ; Reduced Price for Public Transportation

Why Us

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.
We look forward to receiving your resume, even if you do not entirely meet all the requirements of the job posting.
Please let your recruiter know if they need to pay special attention to something in order to enable your participation in the interview process.
Click here for more information about Diversity & Inclusion at Infineon.

Driving decarbonization and digitalization. Together.

Cypress Semiconductor Corporation, is an equal opportunity employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex (including pregnancy, childbirth, or related medical conditions), gender identity, national origin, ancestry, citizenship, age, physical or mental disability, legally protected medical condition, family care status, military or veteran status, marital status, domestic partner status, sexual orientation, or any other basis protected by local, state, or federal laws.

Employment at Infineon is contingent upon proof of your legal right to work in the United States under applicable law, verification of satisfactory references and successful completion of a background check and drug test, and signing all your on-boarding documents.

In some instances, if applicable, U.S. export control laws require that Infineon obtain a U.S. government export license prior to releasing technologies to certain persons. This offer is contingent upon Infineon's ability to satisfy these export control laws as related to your employment and anticipated job activities. The decision whether or not to submit and/or pursue an export license to satisfy this contingency, if applicable, shall be at Infineon's sole discretion.

Infineon Technologies takes data privacy and identity theft very seriously. As such, we do not request personally-identifiable information (PII) from applicants over the internet or electronically. Please kindly refrain from disclosing your PII electronically during the application process or to unauthorized websites that may purport to be Infineon or any of our affiliates.

Wage range that the company expects to pay for a qualified candidate:

Minimum of $260,900 salary per year
Maximum of $358,700 salary per year

In addition, all employees will be eligible to participate in an incentive plan.

#LI-MM