



Senior Principal & Team Lead for Platform Architecture (f/m/div)*

Job description

Have you heard of Infineon's ambitious masterplan to develop our next automotive microcontroller product generation? Do you want to shape the future of smarter, safer and connected cars by solving complex technical challenges? Then we have a great opportunity for you! As a Senior Principal for Platform Performance you will act as a key driver and leader of a small expert team in our new Platform Architecture Department to define scalable architecture solutions for our novel automotive platforms. With this position you will be entering our Technical Ladder: a special career path for those who share innovative ideas, demonstrate comprehensive technical knowledge, show thought leadership, possess problem solving abilities and are able to create business value.

In your new role you will:

- **Own and drive the product performance simulation**, optimization, and SoC interconnect architecture definition as technical lead and leader of a small expert team in our platform architecture department
- **Own the architectural performance requirements** of our next generation MPU and MCU products based on intense cooperation with technical marketing, product lines and customer inputs on key use cases
- **Contribute to the definition of scalable architecture solutions** for our next product generations, which will include multiple compute clusters, external memory interfaces such as LPDDR, gigabit-speed communication links, and application specific accelerator subsystems
- **Derive** specifically the **product requirements** and the **concept for the on-chip interconnect** from application assumptions, stakeholder requirements and system architecture proposals
- **Define and conduct feasibility studies** for architectural explorations and evaluate solutions wrt. impact on cost, performance and power in close collaboration with your team
- **Technically guide the platform lead architects**, a community of component architects, and design engineers to ensure feature and performance fulfillment
- Based on your experience you also target and drive an efficient implementation of the proposed SoC architecture solution
- Contribute with **new ideas** as well as pro-actively **drive innovation** in the area of microcontroller platform and SoC architecture based on profound understanding of future product needs and industry trends

Profile

At a glance

Location: **Munich (Germany)**
Job ID: **349073**
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:

Job ID: **349073**
www.infineon.com/jobs

Contact

Nadine Patriarca Roth
Talent Attraction Manager



You have a clear notion of how innovation contributes to the commercial success of the company, you constantly gain new insights by questioning existing assumptions and you inspire others for your ideas explaining even complex issues in a clear and convincing manner? Furthermore, you accept responsibility and accountability for decisions, and you are open to new challenges without knowing the right path to a solution in advance. If you remain aware of the big picture even in complex situations and take decisions despite uncertain circumstances, then you should join our team!

You are best equipped for this task if you have:

- A degree in **Electrical Engineering, Computer Science, Physics** or a related field, preferably a PhD
- At least **15 years of experience**, in the areas of **SoC Architecture Definition** and **Product Development**, preferably in a leading technical role and/or a management function with a strong technical focus
- Rich hands-on experience of **performance modelling** and **benchmarking** of **complex embedded SoCs**, microcontrollers or microprocessors, incl. their external **memories** and **components** based on **Systems C**
- A comprehensive understanding of the **latest R&D trends in automotive applications**, new E/E architectures, state-of-the-art development methodologies, and the 3rd party IP ecosystem
- Expert knowledge in **high-performance embedded architectures**, including **HW-SW aspects**, state-of-the-art **compute and communication functions**, as well as **interconnect solutions**, such as crossbars or networks-on-chips
- Professional **management and technical leadership skills** paired with a rich experience of **leading small teams of technical experts**
- Experience of **guiding senior R&D and product line management**, e.g. strategic direction settings and trade-off decisions
- The ability to lead cross-functional teams and work in a multi-cultural environment
- A good understanding of **safety and security concept** and development according to **ISO26262** or **ISO21434**

Benefits

- **Munich:** Coaching, mentoring networking possibilities; Wide range of training offers & planning of career development; International assignments; Different career paths: Project Management, Technical Ladder, Management & Individual Contributor; Flexible working conditions; Home office options; Part-time work possible (also during parental leave); Sabbatical; On-site creche and kindergarden with 120 spots, open until 6pm; Holiday child care; On-site social counselling and works doctor; Health promotion programs; On-site gym, jogging paths, beachvolleyball, tennis & soccer court; On-site canteen; Private insurance offers; Wage payment in case of sick leave; Corporate pension benefits; Flexible transition into retirement ; Performance bonus; Reduced price for public transport and very own S-Bahn station; Access for wheelchairs

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.

Automotive Microcontroller: We make cars clean, safe and smart

As a leading automotive microcontroller vendor, the Infineon business line **Automotive**



Microcontroller (ATV MC) offers the industry's most comprehensive vehicle microcontroller portfolio and complements it with software. We serve automotive key applications, such as powertrain, advanced driver assist, chassis, body, instrument cluster and infotainment. We also address high-performance dependable computing, real-time domain and zone control, smart sensing and affordable artificial intelligence (AI) applications enabling the next stages of automated driving as well as higher levels of car connectivity, digitalization and security.

Being at the core of this transformation, ATV MC contributes to shape the future of mobility enabling clean, safe and smart cars. So join us to create a better future together.

#AutomotiveMicrocontroller

** The term gender in the sense of the General Equal Treatment Act (GETA) or other national legislation refers to the biological assignment to a gender group. At Infineon we are proud to embrace (gender) diversity, including female, male and diverse.*

