



Principal Engineer Digital Design and Concept (f/m/div)*

Job description

Together with Foundries, Infineon drives the technology development for non-volatile memories (NVM) and develops modules for Infineon's automotive microcontroller products. Are you willing to be part of an international team of concept, digital design and verification engineers within Infineon's Automotive division? Do you want to demonstrate active knowledge transfer and best practice sharing across organizational boundaries, too? In this role as Principal Engineer Digital Design and Concept you define the next generation of NVMs. Take the next step in your career and apply today! 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:

- Create the specification and definition of the **microarchitecture of the digital part of non-volatile memories** which include a microcontroller and complex datapaths and interfaces
- Ensure that the **digital part of the NVM** is meeting the requirements regarding functional safety and security
- **Drive technical decisions** for your functional area and **execute the implementation**
- Implement and/or **review subblocks of the NVM**
- **Collaborate closely** with hard macro designers, verification, digital design and firmware engineers to produce thoroughly verified, robust IP
- Create **innovative architectures** by using the latest techniques
- Provide **technical guidance** within the organization and support also for other departments

Profile

We are looking for someone with a passion for the future of mobility and the ambition to work in an international team. Your relationship building skills enable you to establish successful cooperation very quickly. You inspire others for your ideas and even complex issues you can explain in a clear and convincing manner. You listen actively to the customer, consider his point of view and learn from successes and mistakes.

You are best equipped for those tasks if you have:

At a glance

Location:

Job ID: **362022**

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: **362022**

www.infineon.com/jobs



Contact

Sören Schmögner

Talent Attraction Manager



- A **degree in electrical engineering, computer engineering** or a related field of study
- At least **6 years relevant working experience** in defining and implementing complex digital circuits and functionalities
- Experience in using the **digital design flow including RTL/gate-level simulation**, logic synthesis, STA, linting and DfT
- Proficiency in **HDLs like VHDL or Verilog**
- Strong know-how in **scripting languages** like Perl or Python
- Excellent **communication and negotiation skills**
- **Fluency in English (written and verbal)**, knowledge of German is a plus

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 (ATV) shapes the future of mobility with microelectronics enabling clean, safe, and smart cars –

Our semiconductors are essential for supporting the automotive megatrends: electromobility, automated driving, connectivity, and advanced security. They link the real and the digital world, driving the ever-advancing pace of automotive digitalization. Infineon **ATV** is the number one semiconductor partner in the fast-changing automotive world, based on our system knowledge and our passion for innovation and quality.

[Click here](#) for more information about working at ATV with interesting employee and management insights and an overview with more #ATVDreamJobs.

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.

