



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

Job description

Are you good in understanding and explaining complex technical details? You enjoy being innovative and you like to actively form the future of a dedicated product family in our automotive division? Then we have a great opportunity for you as a Principal Engineer for Digital Concept and Design in our growing product development team. This position is part of 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:

- **Analyze application and product requirements** for automotive system basis chips and transceivers (e.g. CAN), derive the digital architecture and concept and **define respective digital requirements**
- **Generate** the digital RTL (VHDL, System Verilog) and perform gate level functional simulation
- **Contribute** to future architecture definition
- **Be responsible for the technical lead** of junior engineers and external contractors
- **Work closely with verification** as well as with analog engineers to perfect concept and design.
- **Ensure proper documentation**; lead reviews and contribute to **audits**.
- **Support post-silicon debugging** (also in legacy designs); cooperate with test engineers.

Profile

Taking new challenges without knowing the right path to an eventual solution in advance is not a problem for you. Respecting different attitudes and points of view and using the creative potential they offer reflects your mindset. You inspire others for your ideas and you explain complex issues in a clear and convincing manner.

You are best equipped for this task if you have:

- A degree in **Electrical Engineering, Information Technology** or similar field with focus on electronics
- At least **6 years of relevant working experience** in digital design
- Excellent **expertise in RTL design** with VHDL and SystemVerilog including a good understanding how RTL maps to gate-level structures. Knowledge in behavioral modeling.

At a glance

Location: **Munich (Germany)**
Job ID: **341982**
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: **341982**
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Contact

Daniel Lichtblau
Talent Attraction Manager



- **Comprehensive understanding** of the entire **digital design flow and respective tools**, including digital backend and verification
- Experience with **requirement writing**, requirement management tools and ideally knowledge about product functional safety (ISO26262).
- Experience with **working in cross-functional teams** and in a **multi-cultural environment**
- **Systematic, methodical** with **strong analytical skills**
- and a diligent attitude for details
- **Fluent English skills** (written and spoken), German will be an added advantage

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.

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.

Automotive (ATV) shapes the future of mobility with micro-electronics enabling clean, safe and smart cars –

Semiconductors are essential to realize key trends like eMobility, automated driving and secure, connected cars. Infineon ATV is the #1 semiconductor partner in the fast-changing automotive world, based on our system knowledge coupled with our passion for innovation and quality. We are a key driver in the ever-advancing pace of digitalization in the automotive industry.

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

** 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.*

