



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

### Job description

Give free rein to your creativity: In this role you align with projects WHAT you need to develop – based on a high-level Spec. At the same time you will choose HOW you want to implement your concept in the design. Of course you also have to follow industry guidelines and standards (e.g. functional safety) to ensure the highest possible quality. Potential projects reach from automotive to consumer, industrial or security products – the widely-used AURIX will be one of it. The Technical Ladder is 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:

- Act as **technical lead of cross-functional IP development teams**
- Drive **innovative IP concept definition** based on the high level product concept specification, incl. virtual prototyping
- Evaluate **complex 3rd party IP's, customize and integrate them** into various products from all of our divisions
- **Integrate digital, analog and mixed signal IP on SOC product level**
- **Drive and extend the DES IP Roadmap and IP Reuse** through continuous alignment with Infineon partners
- Provide **innovative consulting for Infineon projects** with regard to IP sourcing
- Develop and spread **innovative and efficient methods for IP development and integration** based on internal and external tools
- **Give technical guidance** for less experienced team

### Profile

You see 'the big picture' of the projects and know where and how you and your concept can contribute best – also by sometimes thinking in unconventional ways. Furthermore you like to consult colleagues using your expert knowledge on concept and IP development & functional safety, align with external IP providers and establish stable networks.

You are best equipped for this task if you have:

- A **degree in Electrical Engineering, Physics, Informatics** or similar qualification
- At least **6+ years of work experience in concept and digital design** for IP/SOC development, thereof **3 years as technical lead of a project**

### At a glance

Location: **Munich (Germany)**  
Job ID: **319103**  
Start date: **immediately**  
Entry level: **5+ years**  
Type: **Full time**  
Contract: **Permanent**

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### Contact

Mona Straßmair



- Very good **knowledge in digital, mixed-signal and analog IP development as well as scripting languages** (e.g. Perl, Python)
- Familiarity with both **hard macro and soft macro delivery flow**
- Architecture **experience with ARM subsystems**
- Experience with **requirement-driven development flows and ideally also with safety products and ISO26262 qualification**
- **Fluent English presentation and communication skills**, German is an advantage

