



## Staff Engineer GDS-to-Mask Software Development (f/m/div)\*

### Job description

Our team is responsible for the software that implements Infineon's R&D-to-Production (Tapeout-to-Mask) process. The key components are a streaming platform built upon Apache Kafka and a powerful C++/Qt application that integrates most of the functions to efficiently create mask data. We constantly improve the efficiency of the Tapeout-to-Mask process through enhancement of our software and optimize our software development methodology. Having provided the users with a modern Tapeout-to-Mask platform and highly capable tools, we are looking for skilled and creative colleagues to make another substantial step in increasing efficiency through building a highly integrated and yet flexible Tapeout-to-Mask software environment. With this position, you will enter our "Technical Ladder" career path. 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:

- **Develop core software applications** at the interface between Infineon R&D and Production. Your **focus will be on a C++/Qt application to compose mask data** from a variety of information sources
- Be **responsible of user story analysis, implementation, test and integration**
- **Communicate regularly with application users** to capture requirements and specify features
- **Apply agile software development methods** like Continuous Integration (CI) and Continuous Deployment (CD), Test-Driven Development (TDD), Kanban and Scrum
- **Work closely with other experts** in the team

### Profile

You have a structured and analytical way of thinking. Furthermore, you develop ideas and translate them into solution concepts. You have good communication skills, so you can encourage your colleagues and advise them in order to produce the best results for the organization. In summary, you pay attention to details but never lose sight of the big picture.

You are best equipped for this task if you have:

- A **degree in Computer Science, Physics, Mathematics, Electrical Engineering** or in a related field

### At a glance

Location: **Munich (Germany)**  
Job ID: **357969**  
Start date: **as soon as possible**  
Entry level: **3-5 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: **357969**  
[www.infineon.com/jobs](https://www.infineon.com/jobs)

### Contact

**Mona Straßmair**  
Talent Attraction Manager



- At least **3-5 years of experience in software development on Linux/Unix**; ideally experience in the semiconductor industry
- Deep **know-how required in C++ and the Qt framework**, as well as in object-oriented analysis and design (OOA/OOD), design patterns, and clean coding techniques
- Good **know-how desirable in Python or Ruby**
- **Experience in agile software development methods** (CI/CD, TDD, Kanban, Scrum) **and tools** (Jenkins, Artifactory, CMake, Conan, Bitbucket, JIRA)
- Interest in **learning about the Layout-to-Mask domain** and the business **processes between R&D and production**
- **Fluent in English**; willingness to learn 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.

The central R&D organization „**Design Enabling and Services**“ (DES) provides the design environment to the different Infineon product development teams. With state-of-the-art design methods, building blocks and a wide range of product development services DES supports Infineon's advanced IC development from early high-level system models to verified products ready for manufacturing.

*\* 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.*

