



## System Architect 3D Imaging (f/m/div\*)

### Job description

System Architects deeply understand and translate application requirements, defining and analyzing concepts for our 3D imaging solutions using own design skills and own professional network. In your new position, you will work with leading smart phone makers at the edge of sensor technologies. To enforce our team we are looking for a highly motivated System Architect in the field of 3D imaging.

Our design team in Graz **develops high performance 3D imaging products** for different **machine vision applications** in automotive, consumer and industrial markets. The system application engineering team provides the application-related **next generation product & system requirements** to the product design teams, **develops product evaluation & demonstration kits**, accompanying **user documentation** and **supports our customers** in their **own product design phase** using Infineon imaging sensor ICs.

In your new role, you will:

- Understand, structure, and analyze **application & system requirements** for 3D Imaging Sensors and related Devices on a cross-business line and cross-division level
- Describe and own requirement engineering in **application assumptions**
- Have **technical meetings with lead customers** worldwide to discuss and align system specifications for 3D Imaging solutions
- **Define and analyze new hardware concepts** for our 3D imaging solutions and technically evaluate alternative concepts for new and emerging applications
- **Be familiar with signal processing of camera systems** to make trade-offs between hardware and software implementations
- Understand worldwide trends in **standardization** and assess **technical impacts** on the applications & systems to enrich the application roadmap
- Provide **technical content** for the **application roadmap** as well as application descriptions and block level diagrams
- Drive **innovation** ideas based on deep application and product understanding

### Profile

You are personally committed to the customer's concerns and award them a high priority. You cooperate across boundaries and appreciate the contributions of other people and concentrate your creativity and knowledge on producing results with real added value.

You are best equipped for this task if you have:

- A **Master's Degree** or **PhD** in **Electrical Engineering** or **Informatics** (University / University of applied sciences)
- At least **5 years of experience in hardware & digital design**

### At a glance

Location: **Graz**  
Job ID: **305125**  
Start date: **immediately**  
Entry level: **6+ years**  
Type: **Full time**  
Contract: **Permanent**

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### Contact

**Christina Walder**  
Talent Attraction Manager



- Knowledge and experience with **image signal processors (ISP)** and digital image processing
- Strong **conceptual capabilities** and the ability to cope with vague technical situations
- Experience in **imaging sensor & system design** (e.g. product/system design for 2D cams, etc.)
- Experience in **requirements engineering**
- Knowledge in **embedded system design, microcontroller** interfaces (I2C, SPI, UART, MIPI, etc.)
- Ability to bridge the gap between application & system know-how and product knowledge
- Knowledge & experience in **optoelectronic measurements**
- Strong desire to take a deep dive in 3D optoelectronic topics
- **Willingness to travel**
- fluent in **English**, good German knowledge as a plus

This position is subject to the collective agreement for workers and employees in the electrical and electronics industry, employment group J (<https://www.feei.at/leistungen/informations-service/mindestlohne-und-gehalter-2020/>). A higher payment is negotiable depending on your expertise and skills.

