

# Driving decarbonization and digitalization. Together.



## Senior Staff Digital Concept Engineer (f/m/div)

### Job description

You will work as a Principal Engineer in our Automotive Microcontroller central infrastructure IP development group. You will join a team of Concept Engineers to promote novel device architectures from translating customer requirements into functional specifications. You will also drive the realization throughout all development stages. 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 you are able to create business value.

In your new role you will:

- **Drive concept development and innovation** in the area of **central microcontroller infrastructure IP** such as SMU, clock and reset control, etc. You will as well consider **functional safety** and **production related aspects**.
- **Break down stakeholder and product requirements** to hardware and software requirements and **define implementable solutions** fulfilling those requirements.
- **Own and create the technical documentations** (like user manuals or data sheets) in line with our internal document creation process. You also ensure to **provide material** to allow your safety architect colleagues to deliver the various work products to guarantee the **ISO 26262 compliance**.
- **Network cross-functionally** with cluster architects, system engineers, application engineers, functional safety experts, design, verification and validation teams within and beyond your business unit to **promote your state-of-the-art development strategy**
- **Perform technical risk management** across IP, subsystem and SoC hierarchies based on key knowledge of technical challenges and development constraints.
- **Work in an international multi-site set up**, collaborating with cross-functional teams.

### Profile

You are best equipped for this task if you have:

- A **degree in Electrical Engineering, Physics** or a related technical field.
- At least **6 years of relevant working experience in chip architecture, design** or related fields.
- Deep knowledge in **design and implementation of central microcontroller infrastructure IPs**: Clock, Reset, DFX.

### At a glance

Location: **Dublin (Ireland)**  
Job ID: **HRC0450362**  
Start date: **as soon as possible**  
Entry level: **5+ years**  
Type: **Full time**  
Contract: **Permanent**

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Job ID: **HRC0450362**  
[www.infineon.com/jobs](http://www.infineon.com/jobs)



### Contact

**Inês Santos**  
Recruiter



- Deep **Microcontroller knowledge** and **automotive application knowhow**.
- Very Good knowledge about **functional safety standards** and **applications** e.g. ISO 26262 or FMEDA.
- Experience in writing **User Manuals** and **define Datasheet values beneficial**.
- Working experience in **international** and **cross-functional technical teams** within a **multi-cultural environment**.
- Fluent **English** is a must.

## Benefits

- **Dublin:** Möglichkeit für Coaching, Mentoring & Netzwerken; Möglichkeit für Coaching, Mentoring & Netzwerken; Offenheit für Teilzeit (auch in der Elternzeit); Medical coverage; Fitness-Studio; Kantine; Versicherungsangebot zu attraktiven Konditionen; Lohnfortzahlung im Krankheitsfall; Arbeitgeberfinanzierte betriebliche Altersvorsorge; Erfolgsbonus; Vergünstigtes Jobticket; Barrierefreiheit

## Why Us

### **Driving decarbonization and digitalization. Together.**

Infineon designs, develops, manufactures, and markets a broad range of semiconductors and semiconductor-based solutions, focusing on key markets in the automotive, industrial, and consumer sectors. Its products range from standard components to special components for digital, analog, and mixed-signal applications to customer-specific solutions together with the appropriate software.

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

The ATV division is shaping the future of mobility by enabling clean, safe, and smart cars. Its product and solution offering is powering the decarbonization and digitalization of vehicles. By driving the transition to hybrid and purely electric vehicles, ATV is making a valuable contribution to cleaner roads. ATV is also increasingly digitalizing cockpit, infotainment, comfort, and lighting applications as it takes automated driving to the next stage with higher levels of connectivity, security, and safety.

The ATV portfolio integrates sensors, microcontrollers, high-performance memories for specific applications, power semiconductors based on silicon and silicon carbide, as well as components for human-machine interaction and vehicle connectivity. Infineon is the world leader in automotive semiconductors.

[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 green mobility smart**

As a leading automotive microcontroller vendor, the Infineon business line Automotive Microcontroller (ATV MC) offers the industry's most comprehensive microcontroller and software portfolio. The three major product families, AURIX, TRAVEO and PSoC, provide the newest innovation in performance, connectivity, power consumption, safety and security.

We enable the latest advancements in the dynamic automotive market, such as vehicle electrification, automated driving and driver information & interaction. Being at the core of transformation, we pave the way for new technologies, such as artificial intelligence and dependable computing, as well as higher levels of connectivity, security and user experience. So, join us to create a better future together.

[#AutomotiveMicrocontroller](#)

### **We are on a journey to create the best Infineon for everyone.**

This means we embrace diversity and inclusion and welcome everyone for who they are. At Infineon, we offer a working environment characterized by trust, openness, respect and tolerance and are committed to give all applicants and employees equal opportunities. We base our recruiting decisions on the applicant's experience and



skills.

We look forward to receiving your resume, even if you do not entirely meet all the requirements of the job posting.

Please let your recruiter know if they need to pay special attention to something in order to enable your participation in the interview process.

[Click here](#) for more information about Diversity & Inclusion at Infineon.

