

Driving decarbonization and digitalization. Together.



Principal Digital Design Architect (f/m/div)

Job description

Would you like to face a new challenge in our automotive department? Are you someone who actively seeks the best solution while leading the way in your area of expertise? We create and provide innovative technology, therefore, join us in Dublin shaping the future of the automotive industry as our new Principal Digital Design Architect! Come and be part of our team at the forefront of technology!

As a Principal Digital Design Architect, you will:

- **Drive concept development** and innovation in the area of **microcontroller communication IPs**;
- Consider **functional safety** (ISO 26262), **cyber security** (ISO 21434) as well as **production-related** aspects;
- Break down stakeholder and product requirements to hardware and software requirements and **define implementable solutions fulfilling requirements**;
- **Observe and analyze third-party IP provider solutions** and match existing offers with our requirements. Describe and explain gaps to find optimal solutions for all requirements;
- Own and create the needed **technical documentation** in line with our internal document creation process and ensure to provide material to allow your **safety architect** colleagues to deliver the various work products to guarantee ISO26262 compliance;
- **Network cross-functionally** with cluster architects, system engineers, application engineers, functional safety experts, and design, verification and validation teams within and beyond your business unit to promote state-of-the-art development strategy;
- **Perform technical risk management for microcontroller architecture and design across IP, subsystem and SoC hierarchies** based on key knowledge of technical challenges and development constraints.

Profile

You are a team player capable of flexibly and proactively communicating within cross-functional teams. You are prepared to generate innovation by making use of your strong problem-solving skills and your technical experience.

You are best equipped for this role if you have:

- A degree in **Electrical Engineering, Physics** or a similar field;
- **At least 6 year s** of relevant working experience in **chip architectur e, design** or related fields;

At a glance

Location:

Job ID: **HRC0555668**

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. Alternatively, you can also scan the QR code with your smartphone:

Job ID: **HRC0555668**
www.infineon.com/jobs

Contact

Rita Varandas
Recruiter



- **Microcontroller knowledge** and **automotive application** knowhow;
- Deep knowledge of **communication protocols** like Ethernet, PCIe, xSPI, CAN, SPI, or SENT;
- Experience in writing **User Manuals** and defining **Datasheet** values;
- Basic knowledge of **functional safety** and **cyber security standards**;
- Working experience in **international and cross-functional technical teams** within a **multicultural environment**;
- Excellent **English** communication skills.

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.

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.

