

Driving decarbonization and digitalization. Together.



Principal Digital Design Architect Automotive Communication IPs (f/m/div)

Job description

If you are passionate about pushing the boundaries of digital design architecture, thrive in a collaborative, cross-functional environment, and are eager to take on technical challenges, we have an exciting new opportunity for you! As our new Principal Digital Design Architect Automotive Communication IPs, you'll be offered an unparalleled opportunity for professional growth and accomplishment. Join us in this exciting journey of innovation and be part of a team dedicated to shaping the future of microcontroller technology.

In your new role you will:

- Drive **concept development** and **innovation** in the area of **microcontroller communication IPs** based on a profound understanding of microcontroller architectures and applications
- 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 those 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 documentations** (like user manuals or data sheets) in line with our internal document creation process. You will also ensure to provide material to allow your safety architect colleagues to deliver the various work products to guarantee the ISO26262 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** for microcontroller architecture and design across IP, subsystem and SoC hierarchies based on key knowledge of technical challenges and development constraints

Profile

You are an integral part of a dynamic, cross-functional team, bringing with you the ability to communicate effectively and proactively across diverse teams. Your collaborative spirit and adaptability enable you to thrive in a fast-paced environment, fostering innovation through your exceptional problem-solving skills and extensive technical expertise.

At a glance

Location:

Job ID: **HRC0904397**

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: **HRC0904397**
www.infineon.com/jobs



Contact

Francisca Dias
Recruiter



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
- Microcontroller knowledge and automotive/networking application know-how
- Deep knowledge in one or more communication protocols such as **Ethernet, PCIe, CAN, SPI, SENT**, on physical and data link layer.
- Deep knowledge in one or more memory interface standards such as **LPDDR, XSPI, UFS**
- Experience working on SOC architectures based around the **AMBA** bus protocols
- Experience in writing User Manuals and define Data sheet values
- Basic knowledge about functional safety and cyber security standards
- Working experience in international and cross-functional technical teams within a multicultural environment
- Fluent **English** language skills

Please send us your CV in English.

Benefits

- **Dublin:** Coaching, mentoring networking possibilities ; Wide range of training offers & planning of career development; Different career paths: Technical Ladder, Management & Individual Contributor; Flexible working conditions; Medical coverage; Health promotion programs; On-site Kitchen available ; Company Sick Paid Leave Scheme; Company Pension Scheme ; Annual Success Bonus Scheme; Monthly Commuter Ticket fully expensed by Company ; Accessibility, access for wheelchairs ; Possibility to work remotely from abroad (EU)

Why Us

#WeAreIn for driving decarbonization and digitalization.

As a global leader in semiconductor solutions in power systems and IoT, Infineon enables game-changing solutions for green and efficient energy, clean and safe mobility, as well as smart and secure IoT. Together, we drive innovation and customer success, while caring for our people and empowering them to reach ambitious goals. Be a part of making life easier, safer and greener.

Are you in?

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

Our semiconductors are essential for supporting the automotive megatrends: electromobility, automated driving, connectivity, and advanced security. They link the real and the digital world, driving the ever-advancing pace of automotive digitalization. Infineon ATV is the number one semiconductor partner in the fast-changing automotive world, based on our system knowledge and our passion for innovation and quality. 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.

