

Driving decarbonization and digitalization. Together.



Senior Staff Embedded Automotive Software Definition Engineer (f/m/div)

Job description

As a Senior Staff Embedded Automotive Software Definition Engineer, you will act as a key driver for our new microcontroller platform to define the software concepts and product requirements with focus on automotive software for MCAL, hypervisor and communication layers. In this role at Infineon, you will have 'hands-on experience' as you are in charge of the software, but you can easily get in touch with real hardware. A high-quality mind set and working according to the relevant automotive standards and process frameworks as ISO26262, ISO21434 & ASPICE will be key. Sound interesting? Then join our growing team in Padova today.

As a Senior Staff Embedded Automotive Software Definition Engineer, you will define software architectures optimized for Infineon automotive controller. You will have a focus on middleware and low layer software with focus on MCAL, hypervisor and communication layers.

In your new role, you will:

- Engage in **technical discussions with internal & external stakeholders**;
- Formulate **unambiguous product requirements**;
- Specify unambiguous verification criteria for product requirements;
- **Participate in formal reviews** of requirements & architecture specifications;
- **Analyze** change requests and/or bug reports related to requirements or architecture;
- **Follow the formal process based on V-model, ISO26262, ISO21434 & ASPICE.**

Profile

You are quality oriented, self-motivated and remain focused on solutions even in complex situations. You also cooperate across boundaries and contribute to a great team atmosphere by open and constructive communication.

You are best equipped for those tasks if you have:

- A **university degree** in technical studies, Computer Science, Electrical Engineering, Physics, Information Technology or equivalent field of studies;
- A minimum of **5-7 years** of relevant experience in **Embedded Automotive Software**;
- **Knowledge** in **real time OSs, low-level drivers and hypervisor software**;
- Good knowledge of **Requirement Engineering, Embedded C & UML**;

At a glance

Location:

Job ID: **HRC0508735**

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: **HRC0508735**
www.infineon.com/jobs

Contact

Regan Lottering

Recruiter



- AUTOSAR CP + AP knowledge is a plus;
- RISC-V (virtualization + interrupt system) knowledge is a plus;
- Knowledge in automotive standards & processes as ISO26226, ISO21434 & ASPICE;
- Fluent English skills.

Please send us your CV in English.

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.

– At our R&D center in Padova we develop next generation Automotive applications –

In Padova we combine Italian creativity with German operational excellence to develop innovative semiconductor solutions for clean, safe and smart cars.

Here you will find a dynamic team made of highly skilled professionals from 15 different countries, who combine the experience of the senior engineers with the energy of young graduates.

Automotive Microcontroller: We make cars clean, safe and smart

As a leading automotive microcontroller vendor, the Infineon business line **Automotive Microcontroller** (ATV MC) offers the industry's most comprehensive vehicle microcontroller portfolio and complements it with software. We serve automotive key applications, such as powertrain, advanced driver assist, chassis, body, instrument cluster and infotainment. We also address high-performance dependable computing, real-time domain and zone control, smart sensing and affordable artificial intelligence (AI) applications enabling the next stages of automated driving as well as higher levels of car connectivity, digitalization and security.

Being at the core of this transformation, ATV MC contributes to shape the future of mobility enabling clean, safe and smart cars. 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.

