

# Driving decarbonization and digitalization. Together.



## Staff Engineer

### Job description

Development and Validation of Autosar MCAL SW for Infineon's Automotive chipsets

In your new role you will:

- Perform Software Development/Validation of device drivers (Eg: MCU, SPI, I2C, CAN, LIN, Ethernet, MEM, Timers, ADC, and PWM etc.) and safety software in an independent/RTOS environment on Infineon's automotive microcontrollers.
- Evaluate change requests to products, conduct analysis and derive impact for planning by team.
- Develop architecture, design and code in line with the coding guidelines, safety standards and compliance to MISRA.
- Develop Test Strategy and institutionalize the methods and related templates to enable the usage of the tools and test equipment wherever required/possible
- Envisage, implement, institutionalize and maintain the verification and validation methods and infrastructure (e.g. automation to improve quality and efficiency in terms of cost and time)
- Drive innovation in the form of new advancements (test methods/tools, test automation, test infrastructure) in the team
- Institutionalize software development/test processes compliant with Automotive standards (e.g. ISO26262, ASPICE)
- Ownership in reviews, Code/Test reviews.
- Generate new methods and techniques for better work models.

### Profile

You are best equipped for this task if you have:

- A minimum of 5-10 years of experience in Device Driver software development and testing which includes a good know how of standard software development Life Cycle.
- Experience in AUTOSAR MCAL and exposure to ISO26262 [Expertise in other domains with embedded background more than welcome]
- Embedded system software development or Validation using C, assembly languages.
- Experience in the usage of LabView, NI FPGA, oscilloscopes, logic analysers, power benches etc.
- Experience in embedded system development tools such as compilers, debuggers, static analysers etc.

### At a glance

Location:

Job ID: **HRC0901509**

Start date: **Oct 28, 2024**

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: **HRC0901509**  
[www.infineon.com/jobs](http://www.infineon.com/jobs)

### Contact

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- Working experience in scripting languages such as Perl, python, C# etc.
- Experience in standards such as AUTOSAR, IEC61508, ISO26262 is desirable
- Acquaintance with development tool-chains such as GNU, Tasking, and WINDRIVER
- Experience in the development/maintenance of the test automation and continuous integration frameworks
- Good knowledge of computer architecture (16/32bit), real-time systems
- Ability and willingness to work with multi-disciplinary teams

## 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?**

### **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.

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.

