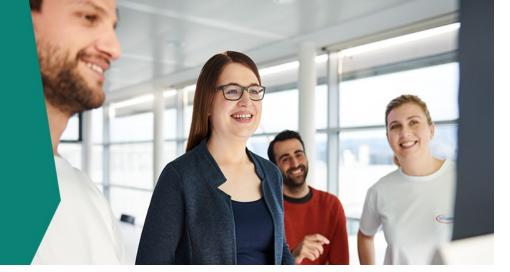# Driving decarbonization and digitalization. Together.

Senior Engineer Software

Job description

The candidate will be responsible for Development, Verification, Validation, Debugging and Test Automation of device drivers for Infineon's automotive microcontrollers/chip sets, including the understanding to work with test infrastructures such as oscilloscopes, logic analysers, debuggers etc.

In your new role you will:

- Development, Verification and Validation of low level device drivers for **Infineon's automotive microcontroller**s (SPI, I2C, CAN, ADC, Flash, EEPROM, Timers, PWM etc.) with adherence to processes laid down for the projects (AUTOSAR and ISO26262)
- Development of Automotive Reference Application using the Low Level Device Drivers as per the customer requirements
- Conceive and develop verification and validation infrastructure for topics in own responsibility.
- Debug and Fix all issues from internal and external stakeholders
- Development of tools to improve productivity and efficiency [example, development of automation frameworks and scripts].
- Generate new methods and techniques for improved and efficient work models
- Meet or exceed stakeholder expectations with respect to assigned goals for device driver development, verification, validation and methodology improvements
- Participate in Requirement Analysis, Estimation, WBS preparation, Defect Analysis etc
- Working knowledge on Emulator and RTL based test environment

Profile

You are best equipped for this task if you have:

- 3 to 5 years of relevant experience.
- Embedded system software development in C, assembly languages & SDLC
- Good knowledge of computer architecture (16/32bit), microcontrollers and real-time systems.
- Acquaintance with development tool-chains such as GNU, Tasking, Windriver, Greenhills, Keil, RVCT etc.
- Acquaintance with standard lab equipment - oscilloscopes, logic analysers, debuggers etc.

At a glance

Location:	**Bangalore (India), Bangalore (India)**
Job ID:	**HRC0940092**
Start date:	**as soon as possible**
Entry level:	**3-5 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: **HRC0940092**
www.infineon.com/jobs

- Working knowledge on build environment (mak files, linker files etc.)
- Basic knowledge on scripting languages like Perl, Python
- Must be a Good Team Player

Benefits

- **Bangalore:** Coaching, mentoring & networking possibilities ; Wide range of training offers & planning of career development; Regional and local talent programs; International assignments; Career paths: Management career, Project management career, Technical ladder career, Individual contributor career, Professional career; Flexible work timing, Part time work, Work from home; Home office; Health & wellness reimbursement, Employee motivation forum, Spoorthi – Diversity club, Master health check up, Health promotion campaigns; Crèche facility; Annual success bonus; Mediclaim (dependents & top up), Personal accident, Term life; National Pension Scheme; Health promotion programs; Statutory benefits; Access for wheelchairs; On-site canteen; Paid sick leave, long term illness leave; On site Yoga classes, Sports club

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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.