



Staff Specialist Software & Firmware

Job description

In your new role you will:

AUTOSAR and ISO26262 based microcontroller device driver development and validation for various peripherals [SPI, I2C, CAN, ADC, Flash, EEPROM, Timers, PWM] of Infineon's automotive microcontrollers based on TriCore architecture or equivalent.
Broad responsibilities

- Participate and contribute to requirements elicitation and definition phase of the project
- Contribute to product architecture
- Conceptualize and institutionalize develop/validation strategies and engineering practices
- Evaluate change requests to products, conduct analysis and derive impact for planning by team
- Help CoC Head with work breakdown structure and estimates
- Conduct reviews of various artefacts [Specifications, Code, Quality Reports] and recommend necessary actions
- Own efficiency improvements in engineering practices
- Play an influential role in technical discussions
- Contribute to IP portfolio by filing invention disclosures and publishing papers
- Propose and evangelize initiatives
- Own overall product quality

Profile

You are best equipped for this task if you have:

- Embedded system software development/validation in C, assembly languages & SDLC
- System level architecture, design and Integration skills
- Good knowledge of Microcontroller Architecture (16/32bit), real-time systems
- Experience in standards such as AUTOSAR, IEC61508, ISO26262 is desirable
- Acquaintance with development tool-chains such as GNU, Tasking, and WINDRIVER

At a glance

Location: **Bangalore (India)**
Job ID: **324773**
Start date: **as soon as possible**
Entry level: **5+ years**
Type: **Full time**
Contract: **Permanent**

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Job ID: **324773**
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- Active membership of Open source communities/technical forums is desirable
- Good working knowledge of debuggers such as PLS, Lauterbach etc.
- Proven ability to work with standard lab equipment's - oscilloscopes, logic analyzers, power benches etc
- Good team player in a multi-site work environment

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

Why Us

Part of your life. Part of tomorrow.

We make life easier, safer and greener – with technology that achieves more, consumes less and is accessible to everyone. Microelectronics from Infineon is the key to a better future. Efficient use of energy, environmentally-friendly mobility and security in a connected world – we solve some of the most critical challenges that our society faces while taking a conscientious approach to the use of natural resources.

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

Semiconductors are essential to realize key trends like eMobility, automated driving and secure, connected cars. Infineon **ATV** is the #1 semiconductor partner in the fast-changing automotive world, based on our system knowledge coupled with our passion for innovation and quality. We are a key driver in the ever-advancing pace of digitalization in the automotive industry.

[Click here](#) for more information about working at ATV with interesting employee and management insights and an overview with more #ATVDreamJobs.

Microcontroller

The Infineon business segment MC (Microcontroller) is strongly growing with the latest TriCore Microcontroller generation AURIX, offering the latest innovation in performance, connectivity, power consumption, safety, and security. Furthermore, the key application segments are targeting segments with high innovation potential and highest market growth such as Advanced driver Assistant systems. As part of the automotive business unit, the focus of MC is on the requirements of the automotive market from motorcycle to truck applications.

#AutomotiveMicrocontroller

** The term gender in the sense of the General Equal Treatment Act (GETA) or other national legislation refers to the biological assignment to a gender group. At Infineon we are proud to embrace (gender) diversity, including female, male and diverse.*

