



Staff Specialist Software & Firmware

Job description

In your new role you will:

- Development and Validation of Autosar MCAL SW for Infineon's Automotive chipsets
- 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
- Job description main tasks
- 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.

At a glance

Location: **Bangalore (India)**
Job ID: **336745**
Start date: **as soon as possible**
Entry level: **5+ years**
Type: **Full time**
Contract: **Permanent**

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Job ID: **336745**
www.infineon.com/jobs



- 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.
- 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

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.

Automotive High Power: We Drive the Electrification of Cars

Our vision of the future is CO₂-neutral and autonomous mobility, and that means electric cars. Infineon's role: our switches control the current from the battery to the consumers, whether a traction motor, a power steering system or an in-car USB charger. In fact, our products have a direct impact on the range, size, reliability and affordability of tomorrow's vehicles. Engineers at the Business Line Automotive High Power, which is part of the ATV division, draw on their deep customer understanding and system knowledge to create a winning portfolio. This approach has made the Business Line the market leader. Our people have the ambition to shape the future with innovation. We are a highly diverse and ambitious team striving to power society's move toward fully electric, CO₂-neutral, autonomous mobility.

#PowerForElectromobility



Quality Management

Infineon's Quality Management department acts proactively to satisfy the needs of our customers to increase their success and to ensure 'best in class' product quality. Internally the department develops a living quality culture at all levels within the automotive division and at our partners.

Microcontroller

The Infineon business segment MC (Microcontroller) is strongly growing with latest TriCore Microcontroller generation AURIX, offering 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 motor cycle to truck applications. #AutomotiveMicrocontroller

