



## Engineer Verification & Validation Engr

### Job description

Microcontroller Device Driver Software development and validation for various peripherals of Infineon's microcontrollers based on ARM cortex M0, M4 (e.g. Ethernet, USB, UART,CAN, SPI, I2C, LIN, Flash, Timers, PWM, Lighting systems, Human Machine Interface, SDMMC etc.) Application/UI development in Eclipse environment

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- Application/UI development in Eclipse environment
- Author architecture, design, test specifications and customer documents
- Participate in software requirements analysis and ambiguity resolution
- Provide technical solutions to customer change requests
- Conceive and develop validation infrastructure for topics in own responsibility
- Liaise with Application engineers on a need basis

### Profile

- 1 to 3 years relevant experience in low level driver development or validation
- Embedded system software development/validation in C, assembly languages & SDLC
- Good knowledge of computer architecture (16/32bit), real-time systems
- Acquaintance with development tool-chains such as GCC, IAR, KEIL, Tasking etc.
- Good working knowledge of debuggers such as Lauterbach, PLS etc.
- Proven ability to work with standard lab equipment - oscilloscopes, logic analyzers, power benches, bus analyzers etc.
- Good team player in a multi-site work environment
- Eclipse based tools and Python/Perl scripting is an added advantage

### Why Us

**Part of your life. Part of tomorrow.**

Infineon is a world leader in semiconductor solutions that make life easier, safer, and greener. Our solutions for efficient energy management, smart mobility, and secure, seamless communications link the real and the digital world.

### At a glance

Location:

Job ID: **350472**

Start date: **as soon as possible**

Entry level: **1-3 years**

Type: **Full time**

Contract: **Temporary**

Apply to this position online by following the URL and entering the Job ID in our job search:

Job ID: **350472**

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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.

Please only use this sentence for professional positions

**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

