

Firmware Architect

(m/f/d) – Full-time, permanent position



Key Responsibilities

- Technical guidance of a team of firmware engineers and management of our design reviews to ensure our high quality standards for sensor platforms ensuring compliance with ISO 26262 and ASPICE
- Ensure integration of RTOS, communication protocols (CAN, LIN, SPI, I2C), and sensor algorithms
- Collaborate with design engineers to define firmware requirements and interfaces
- Drive best practices in embedded software development, including static analysis, unit testing, and continuous integration
- Contribute to long-term product and technology roadmaps by staying up to date on embedded systems, sensor technology, and the latest standards in the automotive industry



This is us

Sensors for the mobility of the future.

That is our mission. The pressure and temperature sensors we develop are used in electric and hydrogen vehicles from renowned automobile manufacturers. With their superior performance, our sensors ensure longer ranges and thus support the transition to climate-neutral mobility. As part of Amphenol Corp., we have a global network of partner companies.

Together, we are shaping the future of sensor technology!

Our benefits

- Company pension scheme
- Job ticket/
Germany ticket
- Job bike
- Daycare allowance
- Recreation allowance
- Health benefits
- Individual training
- Employee events
- Good public transport connections

Qualifications

- Bachelor's or Master's degree in Electrical Engineering, Computer Engineering, or related field
- 10+ years of experience in embedded firmware development, with at least 3 years in an engineering architect or technical leadership role
- Deep understanding of embedded C/C++, RTOS, and microcontroller architectures (ARM Cortex-M)
- Experience with automotive communication protocols (CAN, LIN) and industrial interfaces (Modbus, EtherCAT)
- Familiarity with safety-critical development processes (ISO 26262, ASPICE)
- Strong analytical, problem-solving, and communication skills
- Fluent English

Interested?

Send your application documents, stating your salary expectations and your earliest possible starting date, preferably by email to

bewerbung@i2s-sensors.de

Intelligente Sensorsysteme Dresden GmbH

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