



Your expertise. For the safety solutions of tomorrow.

MSA stands for the development, production and sales of professional safety equipment and gas detection technology: We are „The Safety Company“. We have been developing products that save lives for 100 years – from innovative harness systems to smart gas detection devices. Customers in 140 countries put their lives in our hands every day. Our more than 4,700 employees in 42 locations worldwide accordingly take on great responsibility. Together we pursue one objective: We make the lives of workers in action safer.

For our team in Berlin, Germany, we are looking for a highly skilled and motivated

Senior Staff Engineer Embedded Software (m/f).

In this position, you work in a global, interdisciplinary team of developers and you are mainly responsible for design, implementation and verification of embedded software for personal protective equipment (PPE) and gas detection devices. You report to the Team Lead Embedded Software in the R&D Instruments & Components department.

Your tasks in our team:

- You design and implement (coding) embedded software for personal protective equipment and gas detection devices.
- You verify and document the developed firmware.
- You participate in all stages throughout the development cycle and the product life cycle – from specification to maintenance.
- You design and enhance existing processes and tools.
- You work in cross-functional and international teams as well as in external project teams.
- You are technically responsible for individual firmware modules as well as technical implementation.
- You lead and guide concept development and feasibility studies.
- You create concepts for automated and manual testing.

Your profile: Expertise meets experience

- You have completed at least a Bachelor's degree (Master's degree preferred) in computer science, or a comparable qualification.
- You have relevant experience (>5 years) in developing embedded software.
- You have knowledge in current embedded programming languages like C, and script languages (e. g. Python).
- You understand the basics of microcontroller technologies and electronics.
- You know how to use version control systems and task management systems, like SVN, GIT and Atlassian Suite.
- You have experience in using software quality assurance measures, like Unit Testing, Hardware-in-the-Loop Testing.
- You are experienced in wired communication systems, like bus systems.
- You have experiences in wireless communication systems, like Bluetooth, NFC, WLAN and proprietary wireless technologies.
- You are experienced in testing and verification of prototypes using testing systems like RaspberryPi and Arduino.
- Preferably, you have already worked within an international team in the past.
- Past experience from agile development projects is desirable.
- Preferably, you have knowledge in Linux.
- You are a strong communicator in English and German, both spoken and written.
- You are a highly proactive, service- and quality-oriented team player who works well under pressure.
- You are willing to travel nationally and internationally for 10% of your work-time.

MSA as an employer: What makes us unique

Only with the best employees are we able to remain a leader of innovation. We provide the ideal environment for our employees:

- **Individual career paths:** We offer various development prospects on the basis of personal wishes and talent.
- **Flexible working hours:** Alongside our flexitime model, there is also the option of working from home.
- **Swift decisions:** We combine the stability of an established company with the functioning of a young technology enterprise.
- **Fantastic team:** Benefit from the diversity of your highly qualified colleagues and work with them to further hone your skills!

Interested?

We are looking forward to receiving your application. Please send your application documents in English or German with details of your desired salary and earliest start date by e-mail to: Karriere@MSAsafety.com

MSA Technologies and Enterprise Services GmbH

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