



**Your expertise. For the safety solutions of tomorrow.**

**MSA 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 over 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 teams in Poole (UK), Cranberry Township (US) or Berlin (Germany), we are looking for a highly skilled and motivated

## Senior Software Developer, Senscient (m/f)

In this position, you are responsible for the development and sustaining of firmware for open path laser gas detector equipment. You work in a cross-functional development team, closely together with physicists and engineers. One of your main assignments will be to implement and drive the SIL transformation of an existing firmware base and to support manufacturing transition.

Your tasks on our team:

- You design, develop, and test embedded software for laser based gas detection equipment.
- You actively participate on cross-functional project teams in the development of new MSA products.
- You assume technical leadership of software development for individual project efforts.
- You collaborate with electrical, mechanical, software test/validation and manufacturing engineers to ensure products are delivered on time, while meeting functional, performance and quality requirements.
- You are engaged in our MSA Software Community efforts for continuous review and improvement of software development processes and tools.
- You support Manufacturing and Customer Service on production or quality issues.

Your profile: Expertise meets experience

- You have strong C programming language skills.
- You are experienced in software development with embedded projects.
- You have experience with version control tools (Git) and issue tracking tools.
- You are able to read and understand circuit schematics.
- You are familiar with the use of laboratory equipment, such as oscilloscopes and logic analyzers.
- You have hands-on low-level hardware driver development experience.
- You are an excellent communicator, both written and verbal.
- You are passionate about software quality and continuous improvement.
- You completed a Bachelor's degree (Master's degree preferred) in Computer Engineering, Software Engineering or Computer Science (or comparable).
- Experience with Python scripting language is preferred.
- Preferably, you have experience with optical and laser systems or real time instrumentation.
- Preferably, you are experienced in developing and testing software using SIL processes and tools.
- You have a test-first development mindset and experience with software testing.
- Preferably, you have experience using continuous integration tools, like Bamboo or Jenkins.
- Preferably, you are familiar with Atlassian tools.
- You are willing to travel about 25 % 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:

- **Excellent facilities:** Our Research & Development team works with state-of-the-art IT infrastructure.
- **Individual career paths:** We offer various development prospects on the basis of personal wishes and talent.
- **Flexible working hours:** Depending on the requirements of the role, there is the option of partly 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 with details of your desired salary and earliest start date by e-mail to: [Karriere@MSAsafety.com](mailto:Karriere@MSAsafety.com)

**MSA Technologies and Enterprise Services GmbH**

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