

# SENIOR EMBEDDED SOFTWARE ENGINEER AUTOMATED DRIVING (ZURICH OR MUNICH)

Embotech is a software company developing cutting edge autonomous driving technology for autonomous vehicles, with focus on private ground applications such as logistics, Autonomous Valet Parking (AVP) and mining. We are determined to accelerate the transition towards safe autonomous transportation by leveraging the core real-time optimization technology that we have been developing since 2012.

Our team is comprised of highly skilled employees with a passion for excellence and efficiency. We are looking for highly motivated people to help us solve one of the most complex challenges of tomorrow and take our company to the next level.

We are looking for a passionate embedded software engineer C/C++ with experience in functional safety.

As a new member of our software development team, you will join a group of top technical talent (most based in Zurich, some and growing in Munich) to develop safe, efficient and reliable trajectory generation software for various motion planning scenarios. You will be involved in the simulation and testing of novel algorithmic solutions and software that meet ambitious specifications in terms of control performance, computational performance, and reliability. You will be working on one or more internal and customer projects.

We offer an exciting job in a fast-growing company with attractive conditions and flexible hours. Embotech develops innovative products in a modern and dynamic environment, and you can expect an international atmosphere, with young and motivated colleagues.

## Responsibilities

- Develop portable software in C and C++
- Create, extend and maintain external interfaces
- Provide technical support to customers
- Write automated testing tools to improve the behaviour of your software
- Document your code and designs
- Take part in the generation of documentation for the certification of safety-relevant software
- Coordinate development efforts with other members of the team
- You will be reporting to the Head of Software Development

## Requirements

- Bachelor's degree in electrical or computer engineering or similar degree
- Experience in object-oriented analysis and design
- Experience in C and C++
- Experience in the development of safety critical software (functional safety, ISO26262 and ASPICE)
- Experience in requirements management for safety critical software
- Experience with real-time systems is a plus
- Analytical abilities
- Fast familiarization with new tasks, problems and environments
- Good communication skills in English