

Autonomous Driving Software Engineer C/C++

Zurich or Munich

Embotech is an award-winning software scale-up developing cutting edge autonomous driving technology and solutions for autonomous vehicles, with focus on private ground applications such as logistics yards, Autonomous Valet Parking (AVP) and mining. We are accelerating the transition towards safe autonomous transportation by leveraging the real-time optimization technology that we have been developing since 2012.

We are looking for a passionate C/C++ software engineer.

As a new member of the recently established Safety & Systems Engineering (SSE) team, you will play an important role in deploying series of full autonomous driving systems for private grounds, using elements from Embotech's core autonomous driving tech and elements from external suppliers. Your role will involve software development for the full autonomous driving stack, integrating all components to a high performance and functionally safe automated driving solution.

Responsibilities

- Develop software in C and C++ for automated driving projects and systems.
- Write software for the integration of all components throughout the autonomous driving stack, from sensing to perception, motion planning and controls.
- Write supervisory functions to satisfy safety goals.
- Write automated tests, document your code and designs.
- Cooperate with external suppliers for the integration of autonomous driving components.
- Coordinate development efforts with other members of the team and with the software development team.

Requirements

- Master's or Bachelor's degree in computer science, electrical engineering, robotics or similar field.
- At least 2 years of experience with C and C++.
- Experience in other languages is a plus (Python, Rust, ...).
- Experience in real-time systems is a plus.
- Experience with perception algorithms, implementations and safety concepts is a plus.
- Experience with automotive communication protocols (i.e. CAN) is a plus.
- Fast familiarization with new tasks, problems and environments.
- Good communication skills in English.

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 highly skilled colleagues 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.

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