

# Senior Autonomous Driving Systems Engineer

Zurich, Munich, Stuttgart

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 Senior Autonomous Driving Systems 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-stack autonomous driving systems for private grounds, using elements from Embotech's core autonomous driving tech and elements from external suppliers. Your role will involve system architecture design for a safety certified full-stack autonomous driving and the development, integration and testing of its components. The target is a safety certified system.

## Responsibilities

- Design of safe autonomous driving system architecture for automated yard logistics (trucks).
- Requirements management for autonomous driving components, particularly perception and localization sensors and software.
- Design and execution of tests to validate our system requirements.
- Documentation for safety audits.
- Support software development of the SSE team and the ProDriver teams.
- Perform reviews of requirements, test specifications and code.
- Travel to customers or own testing areas as required.

## Requirements

- MSc or BSc in mechanical or electrical engineering, robotics or similar field.
- At least 5 years of experience with:
  - Systems engineering and requirements management.
  - Safety-critical systems in regulated industries.
  - C/C++ and Python, Matlab or similar.
- Experience with the following is a plus:
  - Autonomous driving sensors and perception algorithms.
  - Drive-by-wire systems, motion control, motion planning.
- Evidence of successful customer deliveries of critical systems.
- Passionate about autonomous driving, self-driven, team player and a hands-on mentality.
- Fluency in spoken and written English, German is a plus.

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.