embotech *

Application Engineer

Zürich

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 trucks at port terminals and passenger cars in factories. We are delivering safe autonomous transportation by leveraging the real-time optimization technology that we have been developing since 2013.

We are looking for an application engineer who is passionate about deploying complex systems and customer satisfaction.

You will join the Truck Systems team to play an important role in deploying a rapidly growing fleet of autonomous trucks for private grounds, using Embotech's autonomous driving software and hardware components from external suppliers. Your role will involve setting up and optimization our system in new applications, such as pilot projects and larger series projects. You will have full system overview and be able to simulate the most complex and challenging scenarios and will help steering the development team to practical solutions.

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 today and take our company to the next level.

Responsibilities

- Autonomously running pilot projects
  - System configuration
  - Identification of critical new features to be developed.
  - As first point of contact for customers.
- Debugging and on-site problem solving.
- Reporting test results and issues efficiently and consequently to development and business teams.
- Contributing to system definition, configuration and verification through simulation and real-world testing.
- Cooperation with product management, software engineers and controls engineers to deliver a well-integrated full autonomous driving stack.
- Traveling to customers or own testing areas as required.

Preferred starting date for this position: ASAP

Requirements

- BSc or MSc in robotics, mechatronics, mechanical or electrical engineering or similar.
- Experience with real-world robot deployments and debugging complex systems.
- Comfortable with customer communication.
- Proficient in C/C++ and Python.
- Experience with at least 2 of the following:
  - Robot or vehicle simulation.
  - Robotics algorithms.
  - Mechanical or electronic construction.
  - Vehicle testing.
- Self-driven team player with hands-on mentality.
- CE driver's license is a plus.
- Fluency in spoken and written English.