

Software Architect / Head of SW Development

Embotech is a software company 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 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.

As the Head of Software Development, you will join a world-class team to develop safe, efficient, and reliable software for autonomous vehicles. You will lead technical experts towards deploying a flexible set of network-capable components. You will also recruit new members for the team to ensure that Embotech's software development needs are covered with the appropriate profiles.

Embotech's products require careful design in terms of timing, portability and deployment flexibility. The Software Development Team holds the expertise on the following topics for the rest of the company:

- Distributed system architecture for safety-critical applications
- Data modelling and network communications for distributed real-time systems
- Software portability and integration for POSIX and non-POSIX operating systems
- Software processes and tools
- Technical compliance with safety norms like ISO26262 and quality standards like ASPICE
- High-level software development in C++ and Rust, including simulation and interfaces to external systems
- Embedded software development in C and C++ on medium to high performance platforms using safety-relevant real-time operating systems
- Build pipelines, CI/CD, DevOps topics
- APIs

Responsibilities

- Manage a team of excellent software engineers (both in Switzerland and remote); coach them to reach the next level
- Keep a system-wide view of the deployment architectures for Embotech's products
- Develop these products at software architecture and system architecture level
- Drive development and perform reviews of requirements, test specifications and code
- Manage the release process
- Plan developments and roadmaps including resource allocation
- Analyze and present the status of software development activities to the CTO
- Coordinate development efforts with other teams

Basic Requirements

- Bachelor's degree in electrical or computer engineering or similar degree
- At least 10 years of experience with:
 - C and C++
 - Industrial software development
 - Real-time embedded systems
 - Safety-critical systems in regulated industries
 - Networked / distributed systems
- Experience in leading teams
- Experience with modern web APIs is a plus

Contact:

embotech AG

Giessereistrasse 18

CH-8005, Zürich, Switzerland

+41 44 552 26 22

careers@embotech.com