

SENIOR SOFTWARE ENGINEER / TECHNICAL LEAD (EMBEDDED)

We are looking for a **Senior Software Engineer / Technical Lead** passionate about automotive **embedded software development**.

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.

You will join a group of top technical talent (most based in Zurich, some and growing in Munich) to develop safe, efficient and reliable software for various motion planning scenarios.

Responsibilities:

- Conception, design, development, and verification of safety critical real-time embedded systems software in scope of automotive safety
- Definition of software requirements, test specifications, design documentation and implementation
- Technical Lead for embedded software development:
 - Lead the embedded software architecture
 - Establish software project planning, controlling and management in a matrix organization in close coordination with project and line manager
 - Ensure the deadline, cost and quality goals and the fulfilment of the technical specifications
 - Agile software development: management of the backlog for the assigned project
 - Coordination of software tests during all development phases
 - Coordination of external design and development partners
- Ensure highest quality standards during the entire product life cycle
- Coordinate development efforts with other members of the team

Requirements:

- University degree (MSc or BSc) in Computer Science or Electrical Engineering FH / Uni / ETH or equivalent
- 5+ years of experience in development of embedded software in C / C++ for embedded devices
- Coordination of external development partners
- Knowledge in automotive development process (IEC 26262 / ASPICE) or other safety critical / regulated software development process

As a plus:

- Automotive multicore MCUs (Infineon, STMicroelectronics using real time operating systems such as SafeRTOS, QNX, or PXROS)
- Multithreading
- Network/communication protocols (CAN, UDP, TCP/IP)
- Embedded development under Linux host operating system
- Agile/Scrum development, code reviews, continuous integration and test

- Self-organized, solution-oriented, communicative team player with initiative
- Very good oral and written language skills in English

Preferred starting date for this position: ASAP