

Application Engineer for Automated Vehicle Marshalling (AVM)

1 open position in Spartanburg, SC, USA

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 2012.

We are seeking an Application Engineer who is passionate about deploying complex systems and delivering exceptional customer satisfaction. This is a two-year fixed-term full-time contract (40-hour working week).

We offer an exciting role in a fast-growing company with attractive benefits, including health insurance coverage, a competitive salary and flexible working 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:

- Deploy and debug Embotech's Automated Vehicle Marshalling (AVM) solution at customer sites, test areas and factory environments
- Drive the rollout of Embotech's AVM solution to new customer sites according to the agreed rollout timeline
- Serve as a frontline technical contact for customers during launch, ramp-up, and ongoing operations
- Improve system performance through root cause analysis
- Prepare system configuration improvements through simulation and coordinate their implementation with all relevant stakeholders
- Identify recurring customer pain points and translate them into actionable product or feature requirements
- Report test results and issues efficiently and consequently to development and business teams.
- Support deployments that may require work outside standard business hours during critical launch, maintenance, or recovery windows.
- Collaborate with product management, software engineers and controls engineers to deliver a well-integrated full autonomous driving stack

Requirements:

- Bachelor's or Master's degree in computer science, electrical engineering, mechanical engineering, robotics, or similar
- Hands-on experience with advanced control systems methods, particularly Model Predictive Control (MPC)
- Proven experience in real-world system deployment, debugging complex technical systems, and working with digital twins
- Willingness to work shifts / flexible schedule
- Perform work at client location in Spartanburg as primary work location
- Willingness to travel 50% of the time to additional customer sites (car factories mainly in Europe and US) & flexibility to support critical deployments outside standard business hours as needed
- Experience with Linux (native or WSL)
- Self-driven team player with hands-on mentality
- Knowledge of system modelling and analysis techniques
- Ability to adapt to changing priorities and requirements
- Ability to legally travel internationally and operate vehicles required (special training for test vehicles training will be provided by Embotech)
- Speaking German is a plus

Embotech is an Equal Opportunity Employer. We consider all qualified applicants without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, protected veteran status, or any other characteristic protected by applicable law. Embotech is committed to providing reasonable accommodations for qualified individuals with disabilities during the application and hiring process and throughout employment.

Preferred start date: as soon as possible

We look forward to receiving your application documents by email:

careers@embotech.com