

Do you want to join an exciting venture that is shaping the **future of mobility**? Use your expertise and know-how for solving innovative challenges in **autonomous driving and driver assistance** within a highly motivated team of experts.

As an **automotive software systems engineer at emotion3D**, you are a technical allrounder and love keeping track of the big picture. You will be responsible for writing high-performance and well-tested C++ code for advanced automotive 2D/3D sensing applications that can leverage platform-specific capabilities. You like trying and testing new ideas, reasoning about computer system performance, and iterating all the way to high-quality automotive software implementations? Then this job is for you.

Automotive Software Systems Engineer (m/f/d)

Full time

Your responsibilities:

- Develop automotive software design concepts
- Utilize your creative side in developing embedded software solutions while applying engineering principles of computer science, programming, testing, and validation
- Implement innovative software designs taking into consideration system specification, proven architectural and programming guidelines and coding standards
- Port and optimize software to various embedded platforms, profile and identify performance bottlenecks
- System configuration and integration of embedded software components
- Work with our machine learning team to port AI/ML models to embedded platforms
- Integrate new sensors and optimize parameters for a perfect hardware / software match
- Implementation of code reviews, module and system tests, documentation

Your skills:

- In depth software design experience including development and validation
- Solid understanding and experience of C++ and C programming language
- Minimum 2 years of experience with software development for embedded (e.g. ARM, DSP, FPGA, GPU).
- Experience with software-toolchains (e.g. Git, Jira, Docker, Yocto)
- Firm understanding of networking and communication protocols like Ethernet and CAN.
- Experience with automotive standards, protocols, and guidelines, such as AUTOSAR, ASPICE, etc., is a plus.
- Experience with automotive functional safety standards (ISO26262) is a plus.
- Experience with automotive software implementation for real-time operating systems is a plus.
- Excellent written and verbal communication skills with ability to clearly present data
- Ability to explain sophisticated system issues.
- Self-motivated with excellent time-management skills and ambitious spirit.
- Proficient using a variety of productivity tools.
- Ability to work in close partnership with a multi-functional team of professionals.

Your qualification:

- University degree with Engineering context preferably Embedded Systems, Computer Science or similar
- 3+ years professional software design and development experience

Our offer:

- Exciting challenges with room for new and innovative ideas within a highly qualified team
- High responsibility and steep learning curves on challenging automotive industry projects
- Flexible working hours
- A modern office environment in a central position of Vienna as well as professional remote work options
- A market compliant salary – minimum € 42.000 p.a. - in according to your qualification and experience

You are interested? Please send us your application! We are looking forward to meeting you!

Florian Seitner

www.emotion3d.ai

+43 699 8192 4912

career@emotion3d.ai