

Embedded Software Developer (m/f/d) – part time possible

We are looking for experienced embedded software developers to define and implement mathematically sophisticated algorithms for sensor fusion and automatic data analysis in safety-critical applications on embedded devices from various manufacturers.

About Us

We are an international data science company specializing in self-learning systems and AI solutions. Founded in 2011, originating from the Karlsruhe Institute of Technology (KIT), we develop tailor-made algorithms from embedded devices to the cloud. Our strengths include resource-efficient development, seamless integration and innovative solutions for intelligent maintenance, such as the iCOMOX™ multi-sensor box and the PREDICTO platform. Our successes span various industries, including medical, aerospace, building services, utilities and mechanical engineering.

What can you expect?

We offer you a diversified collaboration within exciting, international projects at an ambitious and fast-growing company. Our modern working environment and successful startup benefits include flexible working hours, remote work, and the possibility of a permanent position later on.

Your Tasks

- Analysis and evaluation of new technology methods for embedded devices and current IoT/ Industry 4.0 challenges
- Specification of software requirements and the associated tests
- Design of algorithms for data fusion and filtering for implementation in embedded devices
- Creation of mathematical models of complex processes
- Creation of the software from the functional prototypes to the product
- Adaptation of the software into the embedded device
- Realization of safety-critical applications for different customer markets



What do we expect?

- Successfully completed studies in computer science, control engineering, automation technology (university/university of applied sciences) or a comparable education (M.Sc. or Ph.D.)
- Several years of professional experience (3-10 years) in software development (focus on C/C++)
- Structured and solution-oriented working style, strong analytical skills and ability to work in a team
- Experience with resource-saving programming and embedded operating systems is an advantage
- Reliability and high-quality awareness
- Very good verbal and written communication skills English, knowledge of German beneficial

Your Benefits!

- **Diverse field of activity:** Interesting and varied work both in exciting research topics and in their implementation in industrial solutions.
- **Engaging Research Focus:** Exciting scientific research topics and their implementation in industrial solutions.
- **Intensive Onboarding:** Receive optimal onboarding and handling of varied tasks with a lot of creative freedom.
- **Collaborative Environment:** Experience flat hierarchies, cooperation at equal level room for new innovative ideas.
- **Professional Development:** Development opportunities through independent work, diverse feedback and networking opportunities, social responsibility and sustainable practices.
- **Modern Workspace:** Attractive modern workplace in a growing company with excellent accessibility via public transport in Karlsruhe with regularly organized team events.
- **Flexibility:** Modern working environment with the possibility to flexibly switch between home office and attendance.
- **Refreshments:** Stay energized with complimentary drinks, including water, tea and coffee.

Application

We look forward to receiving your application via email at: career@knowtion.de

Please send your application directly to the managing directors:

Mr. Dr. Frederik Beutler, Mr. Vesa Klumpp and Mr. Dr. Thomas Kopfstedt

If you have any further questions, feel free to contact us by phone: +49 721 486 995-10

