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

We are looking for experienced Senior Embedded Software Developers with extensive know-how 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 the opportunity to work as an experienced Senior Embedded Developer on challenging, international projects. You will work in an ambitious and fast-growing company with a state-of-the-art working environment and benefit from the advantages of a successful start-up, including the possibility of employee participation in the company's success.

Your Tasks

- Management and implementation of analysis and evaluation of new technology methods for embedded devices and current IoT / Industry 4.0 challenges
- Responsibility for the specification of software requirements and the associated tests
- Development and implementation of sophisticated algorithms for data fusion and filtering 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 to the embedded device
- Realization of safety-critical applications for different customer markets

What do we expect?

- Successfully completed studies in computer science, automation technologies, control engineering (university/university of applied sciences) or a comparable education (preferably Ph.D.)
- Several years of professional experience (>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
- 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:

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

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