Datamars is an innovation and quality leader in the animal management and textile management industries. Our many years of experience in RFID and integrated systems, coupled with our deep understanding of our customers' operations have made us a leading choice of successful businesses around the globe.
Our family of product brands allows us to offer a comprehensive range of integrated services and products, including companion animal identification and reunification products, livestock health delivery systems and identification products, and textile inventory management systems. Our products are delivered via our extensive network of experienced service, sales, distribution channels and partners. Datamars has over 1,800 employees located in offices around the globe, including the Americas, Europe and Asia. Datamars is a private company, founded in 1988 and headquartered in Lamone, Switzerland.
For more information, please visit www.datamars.com

For our Research & Development department based in Lamone, Switzerland, we are searching the following (new) position

Senior Embedded Software Engineer

KEY RESPONSIBILITIES

Within the R&D Department in Datamars' HQ, the Senior Embedded Software Engineer will be responsible for the design, implementation and life-cycle-management of all Embedded Software projects managed by Datamars Switzerland, from planning to roll-out. In addition, he/she will be the technical reference person for all Datamars' RFID readers.

MAIN DUTIES

Responsible for the following tasks:

- Manage all Datamars' RFID readers and be the technical reference person for both Companion Animal (PID) and Livestock (LMS) LF readers
- Develop and maintain embedded systems
- Design and implement firmware applications for STM32 family or similar
- Application level programming of RFID systems
- Work with the team on the design of digital and RF analog HW
- Test Firmware using debuggers, emulators, simulators and logic analyzers
- Coordinate and manage tasks around real-time programming
- Investigate on quality issues and non-conformities
- Support Product management and if needed talk directly with customers on their needs

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REQUIREMENTS

- BSc or MSc in Electrical Engineering, Computer Engineering, Computer Science, or equivalent
- **Minimum 5 years of proven working experience in C, C++ for embedded systems**
- Good understanding of real time operating systems in multithreaded environment, concept, design and patterns
- Experience in Testing and Firmware quality assurance incl. Real time debugging
- Knowledge of digital electronics, ideally STM32 microprocessor family
- Good understanding of object-oriented design and application level software development is a plus
- Good understanding of MATLAB is a plus
- Good communication skills, team player, pro-active, experience in leading projects
- Knowledge of Linux kernel is a plus
- Knowledge of IoT, low power network and low power devices is a plus
- Excellent English, written and spoken
- Willingness to travel occasionally

WE OFFER

- Possibility to be exposed to an international environment in a company with excellent reputation
- Possibility to develop competencies in product development and project management
- Dynamic and young work environment

Does this position meet your interest, and do you have the requested skills? Then please send your application (in English) with motivation letter and CV to **recruiting@datamars.com** and mention your name and "**Senior Embedded SW Engineer"** in the subject line.

Applications that don't fulfil the requirements will not be considered for the selection.

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