aquilabiolabs
A SCIENTIFIC BIOPROCESSING COMPANY

aquila biolabs GmbH is a German sensor technology developer of smart sensors and state-of-the-art data analytics software for bioprocessing applications. As a subsidiary of the life sciences tool provider Scientific Industries, Inc., aquila biolabs aims to take the guesswork out of bioprocessing and pioneers digitally simplified bioprocessing by providing actionable insights from lab to production floor.

We currently have a vacancy for a

Embedded Developer (F/M/D)

in our Sensor Development team.

During your work as embedded developer at aquila biolabs, you will i.a.
- develop and optimize sensing, data acquisition and data processing algorithms,
- develop and optimize firmware for IoT sensors,
- develop and optimize IoT communication protocols, wireless update technologies, energy saving strategies, etc.

Your skills should include:
- in-depth knowledge of C/C++ for embedded development on ARM Cortex M microprocessors,
- in-depth knowledge of ARM Cortex M microprocessor architecture, working with a rich set of peripherals and registers,
- practical experience in development, optimization and debugging of embedded software,
- practical experience with development and implementation of communication protocols, APIs, etc.
- in-depth practical experience with at least one professional IDE for embedded development (e.g. Atmel Studio, MPLAB, Keil MDK, STM32CubeIDE, IAR Workbench, etc.), experience with Arduino IDE is not considered as in-depth practical experience for this position
- the ability to quickly analyze and understand electronic device datasheets for interface development
- analytical and solution-oriented thinking and mindset,
- the ability to work and learn autonomously and efficiently,
- the ability and deep interest to work and perform research interdisciplinarily.

You should hold a scientific or engineering Bachelor's or Master's degree, in the fields of electronic engineering or computer science. Bachelor graduates as well as persons from other fields with strong embedded development background are encouraged to apply for this vacancy too.

Interested persons may send their full applications to **info@aquila-biolabs.de**, including CV, graduation certificates, performance records and, if available, publication abstracts as well as job or project references. A letter of application is not required.

aquila biolabs GmbH, Arnold-Sommerfeld-Ring 2, D-52499 Baesweiler, www.aquila-biolabs.de