Amphasys AG

Reinventing Single Cell Analysis

We are a highly innovative and internationally active high-tech company, specialized in cell analysis and currently focused in pollen quality analysis for the seed industry. We provide technology and services based on our patented microchip technology. For the development of the next generation platform and the expansion towards new application fields we are looking for a

Senior Software Engineer

with at least 5 years' experience in software development in an industrial/commercial environment (preferably in med-tech or agritech) and a respective track record. In this important and versatile function, you will take over responsibility of the present software projects, as well as define and shape the future software architecture of our cell analysis devices. Your main tasks will include:

- Architecture and development of instrument control and communication SW (with external devices) as well as application-specific Windows/Linux/Android-based user interfaces
- Planning and implementation of unit and system tests
- Documentation and version control of newly developed SW
- Interact closely with the sales and the R&D teams to constantly improve products and services

You have a customer-oriented approach and outstanding analytical skills with a well-structured and independent working method. Your self-motivation and drive help you to work efficiently and reliably on a high-quality level. We expect the following qualifications for this position:

- Master's in computer science or electrical engineering
- Experience in technical project management and coordination with external partners
- Proficiency in programming of Hard- and Software for Embedded Systems
- Experience in performing and improving SW release processes (incl. Firmware updates) and developing licensing models
- Excellent knowledge of UML (e.g. with IBM Rhapsody) and programming skills in C/C++ and Java
- Experience with Qt, OpenGL and scripting languages and development environments like R-Studio, Matlab or Labview
- Algorithm development and knowledge in digital signal processing as well as VHDL programming with Xilinx FPGAs is a plus
- Experience with AI, machine learning and neuronal networks is a plus
- Excellent skills in English, preferably also German, other languages are of major advantage.

What we offer:

- A versatile work environment in a young, emerging company with an enthralling technological background
- An interdisciplinary and exciting working atmosphere, close to the management, with the potential for professional development
- A modern workplace at Technopark Lucerne with great infrastructure and easy accessibility

Are you interested and committed to play a crucial role for the success of Amphasys? Then we are looking forward to receiving your detailed application including CV, cover letter, reference letters, and educational certificates, which you please send by e-mail to marco.diberardino@amphasys.com.

www.amphasys.com