

Senior Embedded Software Engineer (m/f/d)

Freiburg im Breisgau, Germany

CYTENA is a young and fast-growing high-tech start-up dedicated to cutting-edge single-cell and liquid handling technology for lab automation in Freiburg. More than 15 of the top 25 pharma companies use our products to generate cell lines for the manufacturing of biologicals. Since 2019 CYTENA is part of the CELLINK Group.

CELLINK is a global leader in developing and delivering life-science solutions, equipping hundreds of labs and thousands of scientists worldwide with cutting-edge technologies that fuel groundbreaking scientific breakthroughs. We are driven by three mantras: **passion, inspiration, and persistence.**

We are looking for a **Senior Embedded Software Engineer** to serve out of our office in **Freiburg im Breisgau, Germany.**

Our software team is not only bringing our innovative laboratory instruments to life, but also focuses on improving the experience of our users in labs through a team effort. We mainly work with C#, WPF, .NET / .NET Core, and Python. In addition to our software for controlling our laboratory equipment, we are working on many exciting topics like image processing and AI/ML. At CYTENA, you will be the expert when it comes to developing software for embedded systems / single-board computers to control our innovative laboratory instruments. You choose the right technology stack to efficiently implement the required functionalities based on product specifications. You will also work closely with our Product Managers to develop interfaces for robotic arms and laboratory automation.

Responsibilities

- Choose the right language, architecture and hardware for the embedded / single-board computer of a new laboratory instrument that we will develop
- Design and develop and test software for controlling innovative laboratory instruments
- Bringing exciting new prototypes to life and working in close collaboration with our electronics/mechanical engineers, application team, and product managers
- Work with the software teams to continuously improve development practices and processes
- Work independently in dedicated and highly passionate interdisciplinary project teams

Qualifications

- 3+ years professional experience
- Very good knowledge and experience in C# or C++ and Linux
- Experience with hardware-related programming (controlling cameras, valves, motors, pumps, etc.)
- Good communication skills in English
- Strong problem-solving skills, and ability to troubleshoot at the interface of software, hardware, and electronic

Do you want to join a company that develops sophisticated, cutting-edge products for the life science industry? Do you love to work in an interdisciplinary and international team of highly skilled, young, and energetic people? Make an impact and come to sunny Freiburg to join us building the lab instruments of the future!

Please send your comprehensive application, including job title, your salary expectations and the earliest possible starting date, as a single pdf-file by e-mail to: careers@cytena.com



At CYTENA, we don't just accept difference – we celebrate it, we support it, and we thrive on it for the benefit of our employees, our product, and our community. We are an equal opportunity workplace and will always pride ourselves on being a collaborative environment.

Become part of the CYTENA story!