

Software Engineer – Surgical Robotics

Location: Bern, Switzerland | Department: Software | Type: Full-time, on-site

LEM Surgical AG is a rapidly growing, innovation-led MedTech company based in Bern, Switzerland. We are shaping the future of spine surgery by developing a next generation surgical robotic system that fuses high-precision mechanics, intelligent software and an intuitive interface tailored to the needs of surgeons.

We are looking for a **Software Engineer** with a strong technical background and a hands-on mindset who wants to work on something impactful. In this role you join a focused software team developing a complex robotic medical system. You drive new features and modules end to end from requirements and architecture to implementation, testing, validation and full integration into the system.

Your Responsibilities

- **Design, develop, test and maintain software components** for a medical robotic system, ensuring high reliability, performance and compliance with relevant standards such as IEC 62304 and ISO 14971.
- **Work closely with other R&D departments to deliver integrated system solutions.**
- **Support system integration and troubleshooting** by analyzing logs, test results and performance metrics to ensure robustness and clinical readiness.
- **Plan and execute software tests**, document your work and contribute to verification, validation and design traceability throughout the development lifecycle.

Your profile

- BSc or higher in Software Engineering, Computer Science or a related field from a recognized university.
- At least 5 years of experience in software development with object oriented programming.
- Strong proficiency in **C++**.
- Experience in robotics.
- Hands-on experience with **real-time systems**.
- Strong understanding of **multithreading, concurrency and synchronization**.
- Experience with **low latency, high-performance architectures**.
- Skilled in **performance profiling and system optimization**.
- Experience in the medical device field is a plus.

Why Join LEM?

At LEM, you will join a passionate and hands-on team that thrives on innovation, collaboration and purpose. We bring together medical impact and engineering excellence, and every team member plays a direct role in shaping what we build.

You'll benefit from short decision paths, true ownership and a culture that values clarity, initiative and trust. This is your opportunity to grow with the company, help build its foundations and contribute to the development of transformative surgical technology.

Send your CV to: careers@lemsurgical.com