

AI Specialist / Software Developer in Medical Robotics (Person)



Since BEC Medical plays a leading role in innovative medical robotics technology, our corporate culture and working methods are constantly evolving. Despite this dynamic environment, our focus on excellence remains constant, combined with a determination to create a workplace where we can perform at our best. Does this challenge excite you? If so, you will likely feel very comfortable in our team. However, BEC Robotics is not the right fit for everyone – please check whether our vision and strategy align with your own goals and whether you are ready to grow beyond yourself.

You are an experienced Software Developer and AI Specialist (Person) with an interest in medical robotics and a hands-on mentality. You have no fear of people, robots, or operating rooms? Then we are looking for exactly you and your expertise **for our location in Magdeburg!**

Our goal is to create a modern, efficient, and friendly working environment on site, and you will play a central role in making that happen.

Your Playground:

- Designing, implementing, and further developing productive systems and ML-Ops-enabled infrastructures for AI applications in robotics for interventional radiology and surgery
- Supporting the establishment of a team of specialists for the design and implementation of AI solutions in sensor data and image processing in medical robotics
- Taking responsibility for the selection and integration of suitable architecture components, systems, and tools that meet the requirements and goals of our projects and products
- Developing and implementing architecture and development guidelines for AI systems
- Ensuring quality and project success while actively contributing to the development and advancement of applications in medical robotics
- Responsible for creating the technical documentation required for medical products

This is how you can impress us:

- A completed degree in Computer Science, Mathematics, Medical Engineering, or a comparable field of study
- Several years of professional experience in translating customer requirements into architectural concepts while considering constraints due to existing framework conditions or complex AI-related requirement constellations
- A solid understanding of the requirements for AI applications in terms of architecture, infrastructure, data management/flows, and performance
- Practical experience in ML Ops and CI/CD pipelines using state-of-the-art frameworks such as PyTorch and Keras
- Experience with cloud technologies, data governance, and regulations (AI Act) is desirable
- Good German language skills (B2 level or higher) as well as proficiency in English

No matter what your background is – do you feel addressed? Learn more on our careers page: bec-robotics.com/de/robotics/karriere

