



icometrix – Software Engineer - Medical devices

Software Engineer - Medical Devices

As a Software Engineer Medical Devices, you will join a multidisciplinary team of software engineers, AI specialists, and deep learning experts developing innovative AI-enabled medical software solutions for clinical use in hospitals.

With our growing Software as a Medical Device (SaMD) portfolio and expanding installed base, we are looking for a talented Software Engineer to strengthen our team and help bring cutting-edge AI-powered healthcare solutions to market.

Initially, you will play a key role in the development of our stroke product, an AI-enabled solution that supports clinicians in identifying brain tissue that can still be rescued through timely intervention. By providing critical insights during acute stroke care, this technology helps healthcare professionals make faster and more informed treatment decisions.

You will contribute to the full software development lifecycle, from design and implementation to testing, verification, validation, and deployment in a regulated medical device environment. Working closely with deep learning experts, clinical specialists, and product teams, you will help transform advanced AI research into reliable and impactful products used in hospitals worldwide.

This position is funded through the CEREBRIS project and offers a unique opportunity to contribute to the development of innovative AI-based solutions for stroke diagnosis and treatment.

Main Responsibilities :

- Develop medical device software impacting patients with neurological conditions

What will you do exactly?

- Develop and deploy medical device software (Python / Docker)
- Support medical device audits and regulatory submissions (MDSAP, MDR, FDA)
- Maintain and improve our security posture
- Develop CI/CD pipelines (Jenkins)
- Have a lot of freedom and collaborate with a diverse set of nice colleagues
- Collaborate within and outside your agile team in an international environment

Minimum qualifications

- Bachelor's degree in (Applied) Computer Science / Computer Engineering / Electrical Engineering or a related discipline, or equivalent experience (3 years at least)
- Good knowledge of the following topics:
 - Python, or another object-oriented programming language
 - Cybersecurity concepts
 - Linux

- Basic knowledge of at least some the following topics:
 - Docker
 - CI/CD systems (e.g. Jenkins, Github Actions, ...)
 - AWS
 - SaMD
- Strong willingness to learn and broad interest in IT
- Solid communication skills, including the ability to present ideas and share your knowledge with others
- Fluency in English
- Fit with our values and culture
- You like working in a multicultural and diverse team

Nice-to-have qualifications

- Master's degree in Computer Science / Computer Engineering / Electrical Engineering or a related discipline, or equivalent experience (5 years at least)
- Experience with microservice architectures
- Knowledge of ISO13485, IEC62304
- Proven experience in SaMD
- Lots of learning opportunities, especially regarding cloud computing
- A lot of freedom and collaboration with a diverse set of nice colleagues.
- Hybrid work possible
- A market conform wage
- A job advancing healthcare and technology
- A job in an innovative, growing company with a worldwide impact

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