

Senior Software Developer, C++/Python

Would you like to make an impact on healthcare?

At TraclInnovations we develop and produce a markerless motion tracking system to improve the quality of magnetic resonance scanning images and patient comfort.

Join our dynamic team and make a change

As a senior software developer, you will contribute to continuous improvement of our motion tracking system and take part in development of new tools for 3D image correction using the motion tracking data.

We implement our computer vision solutions in C++, with QT for cross-platform UI. We also develop supporting software tools in C++ and Python to facilitate our main development processes and testing at different levels. You can expect to contribute to all these activities.

You will have an opportunity to closely interact with our hardware and production departments as well as to apply your skills and develop them by participating in the new projects that rely on technologies like computer vision, GPU computing and machine learning.

We develop software in a controlled environment and have to comply with the regulations (FDA/MDR), so you should expect thorough documentation to ensure software quality and to support our quality management system.

For this position we consider candidates with 7+ years of experience.

Required qualifications

- BSc or MSc in computer science or other relevant engineering field,
- Scientific computing – for implementation of algorithms,
- C++ and Python – as main languages,
- Test-driven development – unit tests, integration tests, system tests, etc.,
- Git – for code versioning.

Relevant qualifications

- Experience in computer vision, image analysis, mathematical modeling,
- Experience in software development and documentation for medical devices,
- Experience in agile development in scrum, with Jira,
- Experience with modern DevOps and CI/CD.

About you

- You have a structured goal-oriented mindset,

- You enjoy working in a team,
- You are a social person with a sense of humor,
- You are fluent in English, speaking and writing.

About the team

Our software development team consists of six developers. We have strong expertise in MRI imaging physics, computer vision and high-performance computing. Our main language is C++ for high-performance code. We use Python for fast prototyping and development of tools.

The team is dynamic and agile. We work in scrum without idolizing it, and rather adopting it for our needs. We are open towards each other and the problems, and social aspect is important. A good sense of humor is definitely a benefit. We go dining together downtown, spend computer gaming nights at the office, and have fun together.

About the company

TracInnovations is an international med tech company with headquarters in Denmark and offices in US and UK, founded at Technical University of Denmark in 2015. We develop and produce a unique markerless motion tracking system for MRI scanners to register patient motion during scanning and to correct the final 3D scan images. Our tracking system reduces the need for patient sedation, especially for children, lowers the need for scanning repetitions, and therefore improves the patient comfort and lowers the scan cost.

The company is growing to accelerate the development and to scale up the production. We have our new spacious headquarters in Ballerup, where we have both development and production facilities.

The company language is English.

Benefits

- Great career opportunity in a growing international company
- Flexible working hours
- Health insurance
- Catered lunch in canteen
- Friday breakfasts
- Spacious facilities in our headquarters in Ballerup
- Relaxed atmosphere and friendly colleagues

How to apply

To apply for the position please send your CV and motivation letter to job@tracinnovations.com with the subject "Senior Software Developer".

Applicants should expect to complete a short work assignment as part of the recruitment process.

For more information about the position, please email to job@tracinnovations.com.

We process applications as they arrive.