

# Senior Software Engineer (w/m/d)

## Who we are:

We are a HPI originated Healthcare project and prospective HPI spin-off which will change the diagnostic standards for infection diagnostics. Our novel live analysis approach for sequencing data will lead to faster and more accurate diagnoses, which will result in an immense benefit for the health of patients and the healthcare system.

The main tasks for a successful transfer of our approach include the adaption of our analysis workflows to specific clinical scenarios and the design of an efficient, robust and easy-to-use software product for the use on local servers or “in the cloud”.

For the applicant, this project allows to explore and challenge themselves in the translation process from scientific project to an approved medical software product.

## Prerequisites:

- High motivation to participate and pushing forward the project
- Willingness to work on a broad range of different tasks
- Proficient knowledge in C++ and CMake, preferably including C++17 and C++20 features
- Experience in version control with git, testing, benchmarking and documentation of software
- Confident use of the bash shell

## Advantageous:

- Several years of experience as a software developer in industry
- Experience in DevOps and Software Deployment
- Knowledge and/or Experience in cloud computing, e.g. AWS
- Knowledge and/or Experience in Web Frontend development and UX Design
- Experience in software development in a regulated environment
- Knowledge in secure data transfer and data protection/security strategies
- Experience in the handling and analysis of large data sets
- Bioinformatics knowledge, esp. DNA sequencing and sequence analysis methods

## What we offer:

- A great opportunity for challenges and a steep learning curve
- A highly motivated team with a diverse professional background and extensive diagnostic experience
- A 18-month HPI contract in a startup environment
- A competitive salary and HPI benefits

If you are interested in healthcare IT and strive for improving and shaping the diagnostic landscape, we are happy to hear from you.

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