



Software engineer (C++)

Location

📍 Gent – Hybrid / On-site / Remote as relevant

About 3.LIFE

At 3.LIFE, we build digital solutions at the intersection of health and technology. With one clear mission: creating meaningful impact on people's lives.

We are on a mission to transform cardiac care through innovation and engineering excellence. As we grow, we are looking for a **Software Engineer (C++)** to help develop high-performance systems that power our medical technology.

Role Overview

As a C++ Software Engineer at 3.LIFE, you will work on the core systems that process and analyze physiological data.

You will contribute to performance-critical components, data processing pipelines, and algorithmic implementations that enable accurate and reliable clinical insights.

Working closely with data scientists, embedded engineers, and clinicians, you will help translate complex models into efficient, production-grade software.

Key Responsibilities

Your role will be diverse and hands-on to the success of our mission. You will:

- Design, develop, and maintain high-performance C++ applications
- Implement signal processing and data analysis algorithms
- Optimise system performance, memory usage, and scalability
- Contribute to real-time or near-real-time data processing pipelines
- Collaborate with cross-functional teams to integrate software across mobile, backend, and hardware systems
- Ensure software reliability, robustness, and compliance with medical standards
- Participate in code reviews and contribute to engineering best practices



- Collaborate closely with the team to translate scientific insights into reliable and user-friendly software.
- Ensure all digital systems comply with GDPR, cybersecurity requirements, and applicable medical software standards.
- Contribute to continuous improvement in performance, usability and data integrity across the platform.

Qualifications & Skills

We are looking for someone who combines technical expertise with curiosity and a strong sense of impact:

- A Master's degree in Computer Science, Software Engineering, Applied Informatics, or a related field.
- Solid experience with modern C++
- Strong understanding of algorithms, data structures, and performance optimisation
- Experience with multithreading and concurrent systems
- An interest in digital health, data-driven applications and medical technology.
- A team-oriented and quality-focused mindset with a willingness to learn and collaborate across disciplines.
- Strong communication skills (in English; Dutch is a plus) and the ability to work effectively in a cross-disciplinary environment.

What We Offer

You won't just be joining our company, you'll be joining a mission-driven team that wants to save lives with technology. We aim to give you the environment and tools you need to thrive:

- The chance to work on a life-changing product that impacts real patients.
- A dynamic, cross-disciplinary environment where innovation and collaboration are the norm.
- Opportunities for professional development, continuous learning and true ownership of your work.
- A competitive salary and benefits package tailored to your local context.
- Flexible working arrangements to support your work-life balance.