

## **Senior C++ Software Engineer**

### **Position Overview:**

Circle Cardiovascular Imaging Inc. is looking for a Senior C++ Software Engineer/Software Developer in the field of scalable enterprise level client/server systems. The ideal candidate will have proven experience writing client/server applications using C++ in a highly scalable environment. Additional experience with cross-platform development, databases, parallel and distributed processing and third-party platform integration would be considered an asset.

### **General Responsibilities:**

- Develop and maintain general application framework for multi-platform medical imaging software in C++.
- Lead technology design and development for scalable and secure enterprise level distributed server storage and data processing solution.
- Design and implement scalable services for low-footprint client applications.
- Develop and maintain integrations with third party vendor platforms.
- Design, code and document custom high performance parallel and/or distributed processing frameworks.
- Perform coding, unit testing, enterprise level testing and debugging using C++ and scripting languages.
- Work with regulatory and quality assurance engineers to ensure development of quality software.

### **Required Skills/Experience:**

- Minimum 6+ years of experience in C++ development.
- Experience in object-oriented programming and design.
- Experience with network socket programming, and knowledge of TCP / HTTP / Websockets.
- Experience with threading and client-server architectures.

### **Beneficial Skills/Experience:**

- Experience with cross-platform software development on Windows/Mac/Linux.
- Knowledge of DICOM standard and medical imaging (e.g. MR and CT modalities).
- Exposure to libraries such as Qt, OpenGL, and OpenCv.
- Hands-on experience with SIMD architectures such as SSE and AVX.
- Experience with profiling tools and optimization of high-performance code.
- Experience with deploying containerized cloud targeted applications.
- Working knowledge of Microsoft SQL Server.
- Experience with large scale client-server deployments.

### **Educational Requirements:**

- BSc, MSc or PhD in Engineering, Computer Science or related field

## **About Circle Cardiovascular Imaging Inc.**

Circle Cardiovascular Imaging Inc. develops world class, advanced, post-processing solutions for the cardiac imaging industry. Circle is a prominent company for the global cardiac imaging community bringing together an experienced and qualified team of more than 150 people.

Circle's imaging platform, cvi42 is the leading best-in-class cardiovascular imaging reading and reporting solution for Cardiac MR, Cardiac CT, and Cardiac Interventional Planning. Annually, hundreds of thousands of cardiac exams - in over 1,000 hospitals in 40 countries - are interpreted using cvi42, providing physicians the tools to accurately quantify and diagnose complex cardiovascular diseases while improving patient outcomes and the effective utilization of healthcare resources.

Currently at version 5.11, cvi42 utilizes machine learning and big data, with the machine results demonstrating capabilities within the same range as expert human readers, improving cardiovascular health through excellence in imaging as an integral part of precision medicine.

## **How to apply:**

We are an equal opportunity employer and value diversity at our company. We do not discriminate on the basis of race, religion, color, national origin, gender, sexual orientation, age, marital status, veteran status, or disability status. While we thank all those who apply, however please note that we will only be contacting those selected for an interview. No phone calls or unsolicited agency referrals please

Please send your resume with cover letter to the attention of Human Resources at the following address:

Email: [hr@circlecvi.com](mailto:hr@circlecvi.com)

Fax: +1 403 338 1895

Mail: **Circle Cardiovascular Imaging Inc.**

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