

C++ Software Engineer

Position Overview:

Circle Cardiovascular Imaging Inc. is looking for a 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. The software engineer will report to lead engineers/managers.

General Responsibilities:

- Develop and maintain general application framework for multi-platform medical imaging software.
- Implement scalable enterprise level client-server components.
- 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:

- 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 optimization of high-performance code.
- Working knowledge of databases such as SQLite and MySQL.
- Experience with large scale client-server deployments.

Educational Requirements:

- B.Sc. degree in Computer Science/Software Engineering or related technical field



About Circle Cardiovascular Imaging Inc.

Circle Cardiovascular Imaging Inc. is a Calgary-based software development company that develops and sells cardiac post-processing software that allows for the evaluation and analysis of MR and CT images. Available for clinical and research use, the stand-alone software provides full DICOM and PACS connectivity.

Circle operates worldwide and its products (cvi42, cmr42, ct42, and report42) have been approved for the Canadian, American, Australian, and European markets. Circle's goal is to contribute to quality in cardiovascular imaging and research, while maximizing the achievable benefit for patients by enabling healthcare providers to accurately and effectively analyze cardiovascular images.

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 or apply on our website:

Email: hr@circlecvi.com

Fax: +1 403 338 1895

Mail: **Circle Cardiovascular Imaging Inc.**

1100, 800 5th Avenue SW

Calgary AB T2P 3T6

Canada