
Senior/Intermediate Software Developer

Position Overview:

The software developer is responsible for the development of the next generation cardiovascular post-processing software. The developer will design and develop various components of the software including application graphical user interface/workflows, back-end server functionalities, reporting, advanced rendering algorithms and other post-processing algorithms. Through the software development cycle, the developer will work closely with other software developers and quality assurance analysts as a team to ensure delivery of quality software products.

The software developer will report to the Software Development Manager.

General Responsibilities:

- Design, develop, and maintain GUI applications and framework for medical software
- Design, develop, and maintain application framework for medical software
- Work closely with a team of engineers and developers to design and develop medical image post-processing software
- Work closely with regulatory and quality assurance engineers to ensure development of quality software

Required Skills/Experience:

- 5 – 10+ years of industry experience in C++ development (C++11 or later)
- Experience in scripting languages
- Experience in agile software development methodologies
- Experience in GUI development, client-server architecture, and build systems

Beneficial Skills/Experience:

- Experience in Qt Quick
- Experience with at least one of the following:
 - Medical software
 - Basic 3D Math (Matrix / Vector operations)
- Experience with OpenGL/DirectX and Shaders (GLSL)
- Experience with DICOM
- Experience with REST API design
- Experience with architecture and design (design patterns, reliability and scaling) of new and current systems

Educational Requirements:

- BSc in Engineering, Computer Science, or related field.

About Circle Cardiovascular Imaging Inc.

Circle Cardiovascular Imaging Inc. develops world class, advanced reading and reporting solutions for cardiac imaging. Circle is a prominent company for the global cardiac imaging community bringing together an experienced and qualified team of over 150 people.

Circle's imaging platform, **cvi42**, is the best-in-class cardiovascular imaging reading and reporting solution for cardiac MR, cardiac CT, cardiac Interventional Planning and Electrophysiology. Annually, millions of cardiac exams - in over 1,000 hospitals and in more than 50 countries - are interpreted using **cvi42**, giving physicians the tools to accurately quantify and diagnose complex cardiovascular diseases whilst improving patient outcomes and the effective utilization of healthcare resources. Currently at version 5.11, **cvi42** fully embeds AI into one easy to use platform demonstrating capabilities within the same range as expert human readers.

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

Fax: +1 403 338 1895

Mail: **Circle Cardiovascular Imaging Inc.**

1100, 800 5th Avenue SW

Calgary AB T2P 3T6

Canada