## Senior Software Engineer (Based in Calgary or Utrecht)

**Position Overview:**

The senior software engineer is responsible for the development of the next generation cardiovascular post processing software. The software engineer 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 software engineer will work closely with other software engineers and quality assurance (QA) analysts as a team to ensure delivery of quality software products.

The senior software engineer will report to lead engineers or engineering managers.

**General Responsibilities:**

- Design, develop and maintain GUI applications and 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 QA engineers to ensure development of quality software
- Mentor other team members
- Investigate new technologies and challenging tasks/issues independently

**Required Skills/Experience:**

- 5+ years of experience in C++ development
- Experienced in agile software development methodologies
- Experience in GUI development
- Experienced in multi-threaded environment

**Preferred Skills/Experience:**

- Experienced in either OpenGL, DirectX, Metal, Vulkan development or visualization techniques
- Experience with front-end JavaScript development
- Experience with Domain Driven Design
- Experience working with a declarative UI Framework (Qt Quick, WPF, etc.)
- Experience in the medical imaging software industry in general

**Educational Requirements:**

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

**About the Company:**

Circle Cardiovascular Imaging Inc. is a Calgary based company that develops analytics software for the evaluation of cardiovascular MR and CT images. Circle operates worldwide and has installations of their products cmr$^{42}$, cvi$^{42}$, and report$^{42}$ in over 25 countries. Circle's goal is to contribute to quality in cardiovascular imaging and research, 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, 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.**
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        Calgary AB  T2P 3T6
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