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## **Software Engineer – Circle Labs (Montreal)**

### **Position Overview:**

The software engineer plays an integral part in the development of advanced software for post-processing and evaluation of cardiovascular MR and CT images. The software engineer shall design and develop technical components for graphical user interface/workflow implementations, back-end server functionalities, reporting algorithms, advanced rendering tools, and other post processing algorithms, that are based on signal intensity, distance, and area measurements in single images and dynamic image series and will work closely with other software engineers and quality assurance analysts as a team to ensure delivery of quality software products.

**The software engineer reports to the Circle Labs management, within the Circle Product Design Team, based in Montreal, QC.**

### **General Responsibilities:**

- Identify or develop prototype implementations of GUI applications for medical imaging software
- Design and develop application solutions for medical imaging software
- Design and develop application framework solutions for medical imaging software
- Work closely with a team of engineers and developers to integrate novel solutions into Circle's application environment
- Work with regulatory and quality assurance engineers to ensure development of quality software

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

- 5+ years of experience in object-oriented programming and design
- 2+ years of experience with C++
- Experience in image post processing and evaluation software
- Experienced in agile software development methodologies
- Experience in GUI development, client-server architecture and advanced algorithm development

### **Preferred Skills/Experience:**

- Experienced in Qt, OpenGL for GUI development
- Experience with DICOM images (MR/CT)
- Experience in Matlab prototyping
- Experienced in multi-threaded environment
- Experienced in client-server and distributed architectures
- Experience in the medical imaging software industry in general

### **Educational Requirements:**

- BSc, MSc or PhD in Engineering, Computer Science or related 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:**

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. Only applicants who are authorized to work and are residing within Canada will be considered for this position.

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](mailto:hr@circlecvi.com)

Fax: +1 403 338 1895

Mail: **Circle Cardiovascular Imaging Inc.**

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