
Senior/Intermediate Server and Security Developer/Engineer

Position Overview:

The software engineer is responsible for the development of the next generation cardiovascular post-processing software, which includes both desktop and web applications. The engineer will design and develop various components of the software including back-end and server functionalities and reporting. The engineer will have a strong focus on developing and improving both the scalability and security throughout the software. Through the software development cycle, the engineer will work closely with other software engineers and quality assurance analysts as a team to ensure delivery of quality software products.

The software engineer will report to the Software Architect/Lead Engineer, Server and Infrastructure.

General Responsibilities:

- Design, develop, and maintain backend server and client connectivity for medical software, with increasing focus on scalability and performance efficiency for enterprise deployment
- Design, develop and improve software security through secure protocols, improved libraries and development practices, as well as automated testing suite
- Working across teams to review software security for general releases and integration with OEM partners
- 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) and in security
- Experience in backend software development
- Experience in software security, especially protocol security
- Experience with Security Auditing or Penetration Testing
- Experience in scripting languages
- Experience in agile software development methodologies
- Experience in client-server architecture, and build systems
- Experience with database systems

Beneficial Skills/Experience:

- Experience with SAST and SCA
- Experience with development on multiple platforms: Windows, Mac, and Linux
- Experience in Qt
- 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.**

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Canada