



Senior Software Engineer

Job Description

Position Profile:

Reporting directly to the Software Engineering Manager, the primary responsibility of the Senior Software Engineer is to design, implement, maintain, and document software for medical products developed at Starfish Medical that meet international regulatory standards in conformance with Starfish's Quality Management System. This includes ownership of the design from the initial concept stage through to a complete release to manufacturing.

Responsibilities:

- Help brainstorm, architect, and engineer complex software applications and systems for medical devices
- Set up, configure, and maintain development environments
- Implement software controls, standards, and processes
- Write and document software on various platforms
- Create and maintain Medical Device Design History Files
- Develop Detailed Design Specifications and Verification Plans
- Contribute to formal Design Reviews and Source Code Reviews
- Develop software tasks and estimates for customer proposals
- Collaborate with other team members, disciplines, departments, and external development partners
- Research, source, evaluate, and apply new technologies, APIs, libraries, and standards for medical device software
- Mentor and/or share knowledge with others
- Perform other related duties, as required

Required Qualifications:

- A minimum of 10 years of experience developing software for commercial products is required.
- Bachelors or Technical Certification in Computer Science/Engineering, Physics preferred, or an equivalent combination of education and experience may be considered.
- Strong ability to prioritize responsibilities and be highly flexible in a demanding product development environment.
- Excellent communication skills, both written, and oral.
- Eligibility to work in Canada.

Preferred Qualifications:

- Experience developing firmware in a highly-regulated industry, such as: aerospace, medical or automotive.

- Experience working within a Medical Quality Management System (e.g. ISO13485, IEC60601-1, IEC62304)
- Experience in Fault Tolerance and Design for Testing.