**SOFTWARE ENGINEER (SE)**

***Trice Medical was founded to fundamentally improve orthopedic diagnostics for the patient, physician, and payer by providing instant, eyes-on, answers. Trice has pioneered fully integrated camera-enabled needle technologies that provide a clinical solution that is optimized for the physician’s office. Trice’s mission is to provide more immediate and definitive patient care, eliminating the false reads associated with current indirect modalities and significantly reduce the overall cost to the healthcare system. For more information, please visit www.TriceMedical.com.***

The Software Engineer (SE) is responsible for supporting product development and manufacturing from the software design and development perspective. Duties and responsibilities include, but are not limited to:

* Participate in new product development projects through creation of software requirements specifications, programming, testing and validation.
* Write software validation protocols and reports for new and revised software applications
* Perform software validations
* End User UI development
* Create and maintain FDA compliant software Design History Files (DHF).
* Support quality system compliance with FDA QSR and ISO 13485, and regulatory submissions
* Collaborate with electrical engineering on new designs from the software perspective; including review of schematics, FPGA development/programming and hardware testing

***Job Requirements:***

* Must have a minimum Bachelor of Science in electrical engineering, computer engineering, computer science, or mathematics
* 4-10 years’ work experience with software programming, design specifications & requirements and verification & validation
* Must have experience over 3 with embedded systems programming and backend software development using C#
* High degree of initiative and self-motivation with a strong sense of accountability
* Ability to work effectively in a team environment and build strong working relationships
* Ability to effectively problem-solve through critical thinking and root-cause analysis with minimal direction and make decisions with confidence
* Excellent organizational skills and attention to detail
* Strong communication skills, both oral and written
* Ability to prioritize, multi-task and adapt to change
* Ability to work in a fast-paced, start-up medical device company
* Familiarity of quality systems regulations i.e., FDA QSR, ISO 13485
* This position requires up to 5% travel.

***Skills Required:***

* Embedded System using C or C++ language
* C# Language
* DLL Dynamic-link libraries
* Windows Visual Studio
* Windows Forms, Windows Presentation, or Universal Windows

***Skills Desired:***

* Windows Admin
* C++ Language
* Threading
* USB devices
* Real-time event displaying
* Software validation
* Medical devices
* Power Shell, Windows Drivers
* Windows Group Policy Editor
* Windows Kiosk

***Other Beneficial Skills:***

* Assembly Language
* FPGA
* OpenCV
* Image Processing