



Software Architect

Titan Medical Inc. is a Canadian public company headquartered in Toronto, Ontario with its Research & Development center in Chapel Hill, North Carolina. Titan is a medical device company focused on the design and development of single-port robotic surgical technologies.

We are seeking a highly motivated candidate to join our Research & Development center at our Chapel Hill office and reporting to our subsidiary Titan Medical USA Inc.

Responsibilities include but are not limited to:

- Develop specifications for software systems in coordination with other subsystems across a large interdisciplinary team
- Define software structure to ensure implementation of all requirements for complex medical devices
- Design, develop, debug, modify, and test embedded software applications using C/C++ and Object Oriented Analysis and Design methodologies
- Support external suppliers needed to satisfy design requirements
- Oversee development of software to accurately estimate work effort for specific tasks
- Conform to the requirements of 62304 standards or similar for the design and development of medical devices
- Administrative Responsibilities and Duties:
 - Develop and manage timelines.
 - Perform other duties as assigned.

Qualifications:

- Minimum of a Bachelor of Science degree in Computer Engineering, or equivalent
- 8+ years of experience in the complex software development is required
- 3+ years experience with medical device or similar quality management system is required
- Hands-on experience effectively resolving software issues is required
- Strong modern C++ development for embedded systems, including C++ 14
- Excellent Object Oriented design skills, including documentation of designs using UML
- Driver development for QNX (or other RTOS) preferred
- Knowledge of IEC 62304 for Class C and ISO 14971 preferred
- Must be proactive, with the ability to work effectively both independently and collaboratively in a fast paced environment.
- Must have excellent problem solving, interpersonal, and proactive communication skills
- Occasional travel may be required

For confidential consideration, please submit a resume with a cover letter and salary history to careers@titanmedicalinc.com

Titan Medical is an equal opportunity employer. Qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability or protected veteran status. Reasonable accommodations may be made to enable qualified individuals with disabilities to perform the essential functions of this position.

Recruiting Agencies, Please Note:

Titan Medical will not accept unsolicited assistance from recruiting/search agencies for this employment opportunity. Please, no phone calls or emails. All resumes submitted by recruiting or search agencies to any employee at Titan Medical via email, the Internet or in any form and/or method without a valid written search/recruitment agreement in place for this position will be deemed the sole property of Titan Medical. No fee will be paid in the event the candidate is hired by Titan Medical as a result of the referral or through other means.