Company: Lungpacer Medical USA Inc.

Address: 260 Sierra Drive, Suite 116
                 Exton, PA 19341

Position: **Software Engineering Manager**

Lungpacer Medical USA Inc., a subsidiary of Lungpacer Medical Inc. - a British Columbia Corporation, is developing a novel therapeutic solution for preserving the integrity and strength of the diaphragm muscle in critically ill patients who require mechanical ventilation, is seeking to hire experienced and highly motivated Software Engineering Manager.

As a member of the Software Team, the individual in this position is responsible for providing design and technical expertise in the area of assigned development activities. This is a senior position, which involves support, coordination and mentorship of other members of the Software Team. Other responsibilities as requested.

Responsibilities

- Demonstrate knowledge of engineering principles and its application in solving complex problems.
- Demonstrate working knowledge of product enhancements and algorithm refinement.
- Lead and coordinate iterative software development and analysis effort within the Software Team to ensure product development objectives are met and the software development process is followed.
- Use analysis tools and methods to solve complex technical problems (e.g. data analysis, software architecture).
- Define and analyze software requirements and conduct risk analysis (e.g. Software FMEA).
- Define software architecture and design approach.
- Generate design concepts and prototypes to test their performance in simulated and real-world conditions.
- Develop software design verification test methods.
- Lead individual software design verification efforts, including writing protocols, overseeing progress, providing direct input into verification activities and preparing reports at completion.
- Participate in pre-clinical testing, data collection and analysis of prototype hardware.
- Support activities to enhance IP portfolio of the company.
- Collaborate with outside suppliers to obtain quotes, technical information, and purchase materials/supplies and equipment/tooling.
- Project management responsibilities for in-house and sub-contracted projects.
- Support and mentorship of other members of the Software Team.
- Technical writing and presentations.

Qualifications & Required Skills

- Bachelor's in Software Engineering or related field
- 8+ years of direct experience developing software for medical devices
- Experience with object oriented analysis and design techniques
- 5+ years of experience with embedded real-time operating systems, such as SafeRTOS
- Proficiency in C and C++
- Proficiency with Crank storyboard and QNX is a plus.
- Strong technical documentation skills within a formal quality system (ISO 13485, FDA QSR's, IEC 62304 etc.)
- Excellent organizational, analytical reasoning, problem-solving, and conflict management skills
- Ability to successfully navigate complex environments and relationships
- Excellent interpersonal and communication (both oral and written) skills
- Ability to handle confidential and sensitive material with discretion

The primary location of work will be at our facility in Exton, PA, the position may require some travel.

Qualified candidates may send a letter of interest and resumé to hr@lungpacer.com by October 30, 2017. Please quote 201710-01 in your e-mail subject box.

We thank all interested applicants. However, only those under consideration will be contacted. No Phone Calls, please.