



**Company:** Lungpacer Medical USA Inc.

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

**Position:** **Software Engineer**

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 Engineer.

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. Other responsibilities as requested.

### **Responsibilities**

- Develop and maintain new product software from early stage concept to commercial design
- Work closely with cross-functional groups, including Electrical Engineering and Mechanical Engineering counterparts to define product requirements
- Ensure all product software is developed in accordance with the software development process, including requirements definition, architecture, design, implementation, debugging, and software testing.
- Critically review software and hardware verification and validation.
- Develop software for feasibility prototypes.
- Implement data acquisition and control algorithms.
- Design, code, test, and document software
- Lead code reviews and perform module test
- Organize and conduct software technical reviews and software development phase reviews

### **Qualifications & Required Skills**

- Bachelor's in Software Engineering or related field
- 6+ years of direct experience developing software for medical devices
- Experience with object oriented analysis and design techniques
- 3+ years of experience with embedded real-time operating systems, such as SafeRTOS
- Proficiency in C and C++
- Proficiency in VHDL is a plus
- 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](mailto:hr@lungpacer.com) by October 30, 2017. Please quote 201710-02 in your e-mail subject box.

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