



Job Title:	Software Engineer	Job Code:	SWENG
Department:	Software Engineering	Division:	Ithaca, NY
Reports to:	Director of Software Engineering	FLSA Status:	Exempt
Hours:	Full-time – 40 Hrs/week	Rev Date:	02-05-2025

Who We Are:

Transonic is a small, family-owned company with around 90 dedicated team members at our Ithaca headquarters. We develop innovative flow measurement systems used in surgeries, hemodialysis, research, and other medical applications to improve patient outcomes worldwide. Working at Transonic means contributing to meaningful work that truly impacts lives. We support niche markets across a wide spectrum of clinical and research applications including surgical and tubing-based blood flow measurements, life science research, and OEM components as part of our "Transonic Inside" offerings.

We foster a collaborative work environment and believe every role is necessary to our success. Our staff are committed and diligent, knowing the importance of each product they create or support. We offer exceptional benefits, including fully company-paid medical insurance with low copays, paid holidays and vacation, and company-funded 401(k) contributions. Additional low-cost options for dental, vision, and life insurance are also available.

Job Overview

We are seeking a talented and motivated Software Engineer to join our dynamic team. The ideal candidate will possess a strong foundation in software development, as they will be responsible for designing, developing, and maintaining the software for our medical devices. This role requires a passion for technology and a commitment to delivering high-quality solutions.

Primary Function

This position is responsible for working closely with engineering, regulatory, marketing, manufacturing, and other business disciplines to develop software for Transonic's medical device systems. This position will support software development and maintenance for New Product Development and Sustaining Engineering products that are used clinically as well as in life science research and inside other medical devices.

Duties and Responsibilities

- Design, develop, and test software in compliance with applicable regulations and processes.
- Troubleshoot, debug, maintain, and support software on existing products.
- Define and implement software requirements and designs.
- Review software developed by other team members.



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- Investigate new computer science technologies in industry and their potential applications to optimize software performance in current and new products.
- Assist with software related documentation, as needed.
- Able to work on multiple projects as driven by company objectives and priority.
- Willingness to perform other duties as requested, directed, or assigned by Management.

Working Relationships

- Work cooperatively with members of the Software and Meter Engineering teams on New Product Development or Sustaining Engineering projects.
- Interact with management and members of the Regulatory, Marketing, Customer Service, Purchasing, Quality, and Manufacturing Departments as needed.
- Interact with suppliers when necessary.

Education and Experience

- BS degree in Computer Science, Software Engineering, or equivalent preferred (applicable field experience may be accepted as equivalent).
- 2 years of experience in Object Oriented Programming Languages

Knowledge, Skills and Abilities

- Experience with an object-oriented programming language, such as C++.
- Qt development experience or knowledge preferred
- Experience with software versioning control techniques, GIT or SVN preferred.
- Familiarity with SQL Databases, SQLite preferred.
- Software Verification and Validation testing experience, preferred.
- Knowledge of Linux operating system development, preferred.
- Self-starter and Self-motivated.
- Good communication skills both written and verbal.

Supervisory Responsibilities

- No Direct Reports.