



Job Title:	Software Development Manager	Job Code:	SWDVMGR
Department:	Engineering	Division:	Ithaca, NY
Reports to:	Vice President of Engineering	FLSA Status:	Exempt
Hours:	Full-time – 40 Hrs/week	Rev Date:	03-30-2017

Primary Function

This position would be responsible to lead the software development efforts for Transonic's cutting edge products. This position will lead the SW development efforts required for the development of new products and the sustaining of current products that are used clinically as well as in research areas including: cardiovascular surgery, interventional radiology, and other such areas.

I. Duties and Responsibilities

- Lead a team of embedded and system SW engineers in the development of devices used in medical and research applications.
- Define and drive continuous improvement in the use of SW development tools and processes for SW Architecture, Design, Implementation and Verification
- Investigate, recommend and implement new SW technologies in current and new products under development
- Coordinate and oversee the work activities of the SW team and ensure alignment to Company goals, project goals and quality standards
- Effectively manage the use of outside SW resources
- Design, develop, and test embedded SW in compliance with applicable regulations and processes.
- Participate on cross functional teams working on new product developments
- Work on multiple projects and drive with objectives and priority
- Willingness to perform additional tasks as requested, directed or assigned by Management

II. Working Relationships

- Develop constructive and cooperative working relationships with SW team
- Work cooperatively with various departments including, but not limited to, Engineering, R&D and Manufacturing Departments
- Interact with management and other departments as needed
- Interact with and at times lead outside resources.

III. Education and Experience

- BS degree in Computer Science Engineering or equivalent
- Experience managing teams of SW Engineers
- Embedded SW development experience
- Good programming experience in C is a plus
- Firmware Verification and Validation testing experience is a plus
- Familiarity with writing Linux applications and Linux operating systems is a plus

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- Cypress PSoC and/or Xilinx MicroBlaze experience is a plus
- Freescale CodeWarrior experience is a plus
- VHDL and/or Verilog programming experience is a plus
- Programming background in Java and C++ is a plus

IV. Knowledge, Skills and Abilities

- Ability to manage internal and external SW teams
- Ability to develop work breakdown structures, schedule and track to completion
- Self-starter and Self-motivated
- Good communication skills both written and verbal
- Passion for learning new and emerging technologies.

V. Supervisory Responsibilities

- Management of degreed SW Engineers
- 3-5 direct reports

VI. Physical Demands

- Regularly required to talk, hear, sit, stand and walk, use hands and fingers, handle or feel; and reach with hands and arms.
- Must be able to lift up to 20 lbs. and to adhere to safety requirements
- Corrected normal vision and color vision are required

VII. Work Environment

- Day-to-day work is performed primarily in an office environment requiring the use of standard office equipment such as computers, phones, photocopiers, filing cabinets and fax machines.
- Occasional exposure to manufacturing floor and to elements such as odor, noise, dust, heat, cold or chemicals
- Minimal regional or domestic travel may be required

Disclaimer: This Job Description is not intended to be all-inclusive, and may be subject to change to include new responsibilities and tasks or change existing ones as management deems necessary to meet the ongoing needs of the company.