



Job Description

Job Title: Software Engineer II

Department: Research & Development

Reports to: Manager, S/W Engineering or VP R&D

Grade Level: MPL-08 FLSA Status: Exempt

Prepared by: Christophe Mauge, VP R&D

Date prepared: November 2011

I. Summary/Purpose of Position:

Responsible for the design, development, testing and review of software to support computer hardware and peripherals for integration in distributed electrophysiology systems.

II. Essential Duties & Responsibilities of Position:

- Analyze EP computer systems and recommend new technical developments.
- Review of software components developed by off-shore partner(s) to ensure they meet defined applications, specifications and features.
- Responsible for software maintenance and enhancements to legacy EP system.
- Assist in the development and implementation of test plans for software QA programs in accordance with established procedures and policies.
- Comply with good software engineering principles, including but not limited to standardize coding, standardized documentation practices, version control and coding testability.
- Maintain field of expertise through continuing education, research, seminars and professional associations.

In addition to the essential functions listed above, the incumbent may be required to perform other non-essential functions. Employees are required to follow all other job-related instructions and to perform any other job-related duties requested by their supervisor.

III. Qualifications, Skills and Knowledge Required:

- Bachelor's Degree in computer science, engineering, related field or equivalent experience; advanced degree a plus
- 5 to 7 years of experience in software development for MS Windows-based distributed systems
- Proven ability to efficiently produce high quality object-oriented code, and to accurately review & assess software developed by others
- Three or more year's experience with .Net, C#, C++ in a Microsoft Windows environment is required.
- Intimate knowledge of Windows system level operation and software development tools is desirable as is expertise in one or more of the following areas: system/software architecture using UML, GUI development, database development, system internal development or real time systems development.
- Prior experience in product development for the medical field strongly preferred.
- Good interpersonal communication skills.
- Experience in GMP and WSR in ISO environment a plus
- Experience with "Enterprise Architect modeling environment" a plus

Bard is committed to the spirit and letter of the Americans with Disabilities Act, and as required by law, will reasonably accommodate otherwise qualified individuals.

IV. Signatures:

Developed by: _____ **Date:** _____

Approved by: _____ **Date:** _____

HR Approval: _____ **Date:** _____