 <b>Document type:</b> <b>Job Description</b>	<b>Document Number:</b> <b>JD052</b>	
	<b>Revision</b> <b>B</b>	<b>Authored Date:</b> <b>2017-06-01</b>
<b>Job Title: Senior Software Engineer</b>		

**Department:** R&D

**FLSA Status:**  **Exempt**  **Non-Exempt**


**Job Summary:** Develop PC/Windows-based software for automated laboratory instrumentation, including User Interface, System Control, and Data Processing (collection, reduction, analysis).

**Essential Functions:** Develop C# Windows code for Automated Laboratory Instrument. Develop stand-alone and/or integrated features for existing software product line; Develop and test complex algorithms. Support development with relevant documentation in a regulated (FDA) environment as required; Provide technical updates to project leadership for all ongoing work assignments; Strictly adhere to company defined software coding standards, processes and procedures; Prepare for and participate in code reviews of peers' and personally written code. Assist in the mentoring and training of other software engineers. Regular and reliable attendance. Provide leadership with software engineering Level of Effort estimates. Operate in accordance with the company's Standard Operating Procedures (SOPs) and Quality System. Perform other duties as required.

**Supervisory Responsibilities:** None.

**Success Factors:** Ambitious. Ability to understand and pick up development practices quickly. Work effectively as a team member within a team of 6 to 10 people. Able to prioritize multiple tasks from multiple sources. Highly organized and can work without constant supervision.

**Minimum Qualifications / Education:** Minimum 7+ year's professional software development experience; minimum 3 years' experience using C#. Additional language experience with: C++ and C will be helpful. Knowledge of SQL Server or other similar database systems; Assist in the determination and documentation of software requirements and assessment of risks. Ability to work on complex development tasks – including new code development, new features to existing code, and code maintenance; Excellent problem solving skills with minimal assistance; Experience in software development for complex programmable automated systems a plus; Able to jump into an existing code base to implement fixes, improvements, and new features; Ability to work independently with minimal supervision; Capacity to work from detailed specifications, from defect report items, as well as the ability to come up with solutions that fix specific newly reported problems or requests; Ability to effectively work with other team members in a dynamic

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environment; Ability to clearly communicate ideas and solutions to other team members; Quick learner – able to pick up new concepts – both software development centric as well as business domain knowledge. Self-teaching capability is a plus; Life Sciences, Medical, laboratory instrumentation, and/or robotic control experience is an advantage; Experience with embedded code and firmware is a plus; BS degree in Computer Science, or other qualified Engineering degree is required.

**Computer Skills:** Minimum 3 years’ experience using C# or related. Additional language experience with: C++ and C will be helpful. SQL Server or other database Systems, WCF and WPF technologies an advantage.

**Work Environment:** Office.

**Physical Requirements:** Must be able to meet National Institute for Occupational Safety & Health (NIOSH) Standards.

**EMPLOYEE ACKNOWLEDGEMENT**

I, \_\_\_\_\_, acknowledge review of this job description.  
 (Employee’s Name - PRINT Name)

\_\_\_\_\_  
 Employee’s Signature Date: \_\_\_\_\_  
 YYYY-MM-DD

\_\_\_\_\_  
 Supervisor’s Signature Date: \_\_\_\_\_  
 YYYY-MM-DD