



SOLIDICA

Solidica, Inc.  
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### **Job Description**

June 2009

**Job Title:** Applications Programmer

**Reports to:** Engineering Manager/Software Engineer

#### **General Description:**

Develop, test and troubleshoot multi-platform (primarily Windows .NET/C#) applications to control/communicate with an existing product line of data acquisition and storage devices. Maintenance and enhancement of existing programs will be required but the chance to create new works will be substantial.

Primary focus is programming multi-threaded WinForms™ applications with extensive use of XML. Experience with T-SQL and/or ADO.Net to interact with database for storing information from hardware acquisition equipment and retrieval of same information for presentation via GUI. Service, support and extension of communications software/protocols using USB, Ethernet, Wi-Fi, TCP/IP (sockets) and other mediums will be required.

Work with marketing and sales on presentation of products to customers and integrating the customer's requirements back into the product line.

Develop and maintain documentation of generated work and reports on performance and limitations.

#### **Main Responsibilities:**

- Research, design, write, maintain and test new software applications
- Assist marketing and sales to manage client expectations during customer site visits
- Provide code maintenance and feature enhancements to existing software applications many of which are based on the .NET framework, with C# and firmware written in C for embedded systems
- Develop new PC software and embedded firmware as assigned
- Document code, and produce technical documentation
- Participate in system design and architecture sessions in order to meet the business and systems requirements
- Strong independent troubleshooting, decision making and problem solving skills required
- Assist in developing timelines and project plans for development efforts.

#### **Skills Required:**

- Source Code Control experience
- Must be able to work independently and with other developers on projects

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- Strong independent troubleshooting, decision making and problem solving skills required
- Object Oriented Software Programming and Design
- Knowledge of UML and various modeling tools for UML like Rational Rose, Visio, Star UML
- Understanding of the software development life cycle and different methodologies
- SQL and Database concepts, design and applications experience
- Web design, .xml, HTML, SOAP
- Understanding of client/server architectures, software design patterns and other programming languages/knowledge a plus
- Excellent oral and written communication skills
- Problem solving experience
- Ability to multi-task with ease
- Self starter and ability to work with minimal direct supervision
- Experience across multiple hardware and software platforms is highly desired
- Acute attention to detail

**Desired Skills:**

- Applicant should be willing to perform software testing independently, experience with automated testing and unit testing helpful
- Experience designing secure ASP.NET web pages
- Experience designing intuitive, clean, touch-screen interfaces is a bonus, but not required
- Experience with Windows .NET compact framework on Windows mobile devices a definite plus

**Education Requirements:**

- Bachelors Degree in Computer Science or related field