Job Title: Software Engineer
Industry: Engineering, Oil & Gas
Location: Warrington, Liverpool, Manchester, Cheshire
Rate: Dependant on experience
Job Type: Permanent
Start Date: ASAP

Company:
We are a leading NDT company specialising in the design and development of advanced automated ultrasonic inspection solutions, supporting our Worldwide NDT field service division. Projects typically range from bespoke ROV/Diver deployed submersible inspections, to topside remotely operated inspections. Our projects are always pushing the boundaries of inspection in some aspect whether it be operating depth, temperature, speed of inspection, or size.

Job Summary:
We require experienced and innovative Software Engineers at all levels to join our growing engineering team, supporting existing and next generation NDT equipment development. The appointed Engineer(s) will take a key position within the Design Team leading software development activities, working closely with electronics, ultrasonic, and mechanical engineers to realise designs.

Main Duties & Responsibilities:
- Design, develop and support real-time data acquisition, high-speed processing, GUI and data visualization software for use in bespoke non-destructive testing applications
- Software release, documentation, help authoring and end-user support
- Management and development of the software team

Qualification & Experience:
- Degree/HND in Computer Science, Mathematics or Engineering
- Programming experience using C++ in Windows environment ideally developing data acquisition, processing and graphically intensive applications
- Knowledge of development tools (Visual Studio) and software libraries (MFC).
- Experience with other programming environments/languages such as .NET, C# or Visual Basic is an advantage.

Desirable Skills:
- Thorough Understanding of Object-oriented development, structured design methods and structured programming techniques
- Strong Mathematics and/or Physics understanding
- Commercial experience preferably with a scientific or industrial background
- Appreciation of ultrasonic and/or Phased Array inspection techniques is an advantage
- Electronics / Digital hardware design and/or interfacing
- Embedded programming
- RS232, Ethernet, TCP/IP
- Highly motivated, with the ability to work both independently and as part of a team
- Strong problem-solving and analytical skills
- Excellent written and verbal communication skills

Benefits:
- *5% Employer pension contribution*
- *20 days holiday plus bank holidays*
- *Discretionary leave over Christmas period*
- *Option to purchase additional holidays via Salary Sacrifice*
- *Profit Share Bonus*
- *Paid overtime at increased rates for evenings and weekends (salary grade dependent)*
- *Discretionary overtime reward scheme triggered by total additional hours worked*
- *Flexible working around core hours*
- *Team events (social & company)*

To apply for this position please email your CV to jobs@sonomatic.com