

POSITION NAME: **Measurement Studio Programmer**
LOCATION: Kingston, Ontario, Canada
DATE POSTED: 13 May 2011

THE EMPLOYER

MREL Group of Companies Limited offers a challenging work environment for skilled professionals who want to contribute to a dynamic team providing products and technical services to a diverse range of clients. Join MREL and be a part of a leading provider of explosives and blasting expertise and associated specialized products to the blasting, explosives, defense and explosives ordnance disposal (EOD) communities throughout the world. It is the policy of MREL Group of Companies Limited to assure equal employment opportunity to qualified individuals without regard to race, color, religion, age, place of origin, sex, sexual orientation, marital status, family status, or disability.

THE POSITION

You will be writing software for an existing base of customers who are currently using hardware made by MREL, and in anticipation of future customers and future hardware devices. You will be creating C# modules using Visual Studio and National Instruments Measurement Studio to control hardware; retrieve test data; graph, analyze, and organize the data (possibly into a database); as well as automatically produce reports from the data. The software will need to be updateable online, and you will have a major role in determining how this is programmed into the software. The software development team receives feedback from regularly scheduled milestone meetings with MREL management. Once the software package is launched, you will support customers in transitioning to the new software, and take part in debugging the software and immediately begin working towards developing upgraded software packages for advanced functionality.

YOUR ATTRIBUTES

You must be familiar with laboratory report-based formatting and scientific applications of data acquisition hardware. As you will be tasked with integrating the National Instruments Measurement Studio, you must be familiar with the toolkits and functional analysis libraries that are included with the development package, so as to assist the software development team in selecting the appropriate features to integrate into the MREL software package. Thus a thorough understanding of data manipulation, filtering, and signal processing is a valuable asset. The willingness to learn and participate in the adaptation of National Instruments data manipulation tools libraries is an equally valuable asset if this expertise is not yet possessed by the applicant.

The ideal candidate will have a full comprehensive knowledge of the C# language - including those library functions that will expedite his or her production, and an appreciation for engineering applications. He or she will be able to convert system requirements into logical program designs and code modules, having an in-depth understanding of user-centered design principles and tools, and be able to provide technical leadership and coordination of resources on this project.

WE PROVIDE TO YOU

A positive working environment where your suggestions and ideas are given full consideration. An initial 2 year contract subject to passing an initial 3 month probation period. A corporate health plan, corporate pension plan, as well as paid vacation. A salary commensurate with ability, experience and qualifications, as well as training when deemed appropriate. A long term career with potential for advancement within the company.

TO APPLY FOR THIS POSITION

If you are interested in this position, and you believe you are able to fulfill its responsibilities then we want to hear from you. Send us an email detailing your experience to: hr@mrel.ca

MREL will respond by email to all applications.

Thank you for your interest in a career with MREL Group of Companies Limited.