Sr. Software Engineer – Chicago or State College, PA

Position Description

Our client is a Statistical and Predictive Analytics Software Development firm. They are seeking an intermediate or senior level software engineer to fill a role in the development of online products. The successful candidate will have seven or more years of hands on development experience, strong knowledge of distributed/cloud computing, excellent communication skills, and a track record of meeting schedules and producing high quality software products.

Experience with the skills and technologies listed below is required:

Object oriented programming

Mainstream programming languages such as C/C++, Java, C#, or similar

Principles of distributed/cloud computing

Experience with the skills and technologies listed below is highly desirable:

C# language

.NET programming framework

Microsoft Azure

Git source control

Unit testing frameworks such as NUnit

Microsoft Visual Studio

OVERARCHING JOB DESCRIPTION

Perform software tasks of a complex nature which require extensive research and analysis. Act as a technical resource for the department in one or more specific areas, and assume project and team leadership roles.

ESSENTIAL DUTIES AND RESPONSIBILITIES

Play a key role and provide leadership in the production of high-quality software products.

Assume project leader responsibilities for development teams and handle the coordination of simultaneous development tasks. The projects will be of moderate to high complexity and will require several developers. Interface with other departments, third party software engineers and customers as appropriate.

Provide leadership in defining, designing, prototyping, and testing internal architectural designs and potential new products.

Seek continuous improvement in our software development process and help identify and remove barriers to efficient and quality driven software development.

ADDITIONAL RESPONSIBILITIES

Assist with the high level architectural design of Minitab software products and assume a leadership role in evangelizing, educating and leading teams in the implementation of systems based on those architectures.

EDUCATION, KNOWLEDGE, AND EXPERIENCE

Master's degree in Computer Science, Statistics, Mathematics, or a closely related discipline or equivalent experience.

Minimum of seven (7) years of progressive commercial software development experience.

Experience in time management regarding project completion.

High working knowledge of Microsoft Windows.

The following are also desirable:

High working knowledge of C++ and C# in a .NET environment.

Experience with web development technologies such as AJAX/HTML/CSS and JavaScript and web frameworks like ASP.NET and MVC.

Familiarity with cloud platform technologies such as Microsoft Azure, Amazon Web Services and Google Cloud.

Experience with source control systems such as Team Foundation Server or Git.

Experience using an agile development process.

Ability to write and maintain unit tests and familiarity with testing frameworks such as NUnit.

QUALIFICATIONS, SKILLS, AND ABILITIES

Ability to work well in a team of skilled software professionals with the ability to build consensus for new practices and technologies.

Ability to learn new technologies quickly and independently and to discern the relevancies, applicability, and usefulness of those technologies to Minitab.

Ability to demonstrate initiative and solve complex technical problems.

Ability and desire to lead teams and projects, and to mentor other software engineers.

Ability to speak, read, write, and understand the English language.