Senior Advisory (Architect level) Engineer

Position Description

Our client is a Statistical and Predictive Analytics Software Development firm. They are seeking an experienced senior level web developer to fill a lead role in the development of on-line products. The successful candidate will have seven or more years of hands on web development experience, extensive team leadership experience, strong communication skills and a track record of meeting schedules and producing high quality software products.

Extensive experience with the skills and technologies listed below is highly desirable:

- Modern web development with HTML5, CSS3.0, and Javascript frameworks (React, Redux, AngularJS, Backbone.js, Knockout.js etc)
- Modern programming languages such as Java, C++, or C#
- Modern web frameworks such as Asp.Net, .Net core, Spring
- Familiarity with unit testing frameworks
- Experience with cloud computing (Azure, AWS, Google Cloud Platform)
- Experience with Git source control

OVERARCHING JOB DESCRIPTION

Provide architectural oversight for the development of Minitab software products. Oversee and direct the efforts of software development teams. Interact with management, other engineers and architects, third party software vendors and representatives from other departments regarding project status, architectural consistency, and exchange of engineering best practices.

ESSENTIAL DUTIES AND RESPONSIBILITIES

Provide technical advice to other departments within the company, usually Software Design and Quality Engineering.

Bring appropriate leading edge software skills to the development forefront on Minitab software development teams.

Contribute to technical decision making for the implementation of the various Minitab products under development.

Coordinate the expertise of software engineers in various areas to ensure that Minitab software products contain the correct features and are organized in the appropriate way to meet the current and future goals of the software product.

Ensure that your development teams have an understanding of the architectural vision of the application and that the tools being used are appropriate to produce high quality software in an efficient manner.

EDUCATION, KNOWLEDGE, AND EXPERIENCE

- Master's degree in Computer Science, Statistics, Mathematics, or a closely related discipline or equivalent experience.
- Minimum of ten (10) years of commercial software development experience.
- Familiarity with the latest Microsoft technologies and an understanding of widely used architectural patterns.

- High working knowledge of software architectures and the complexities of transitioning the software to a new architecture.
- Experience in time management regarding project completion.

The following are also desirable:

- Expertise in C++, .NET, C#, F# and cutting-edge Microsoft technologies.
- Experience with interoperability of managed and unmanaged code 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 the Standard Template Library and advanced templatization techniques.
- 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

- Demonstrated initiative to lead groups of software developers and to build consensus for solving complex software problems.
- Ability to work well in a team of skilled software professionals with the ability to build consensus for new architectures, practices and technologies.
- Ability to learn complex new technologies quickly and independently and to discern the relevancies, applicability, and usefulness of those technologies to Minitab.
- Ability and desire to assume team and project leadership roles, and to mentor other software engineers.
- Ability to speak, read, write, and understand the English language.