Software Developer - C#, .NET Framework, and .NET Core

Wood Buffalo Environmental Association

The Wood Buffalo Environmental Association (WBEA) monitors the environment of the Regional Municipality of Wood Buffalo in north-eastern Alberta. Our environmental monitoring work is the most integrated and intensive focus on air and terrestrial monitoring in any one area, anywhere in Canada. The WBEA is committed to reporting accurate and timely high-quality data from our Ambient Air Monitoring (AAM), Terrestrial Environmental Effects Monitoring (TEEM), and Community Odour Monitoring (OMP) Programs to ensure regional stakeholders have the information they need to make informed environmental decisions. For more information, visit: http://www.wbea.org

The Role

This position provides support to members of the Data Team, Information Technology, and other WBEA staff regarding software programming and database management. This includes maintaining and developing databases for Ambient Air, Deposition, and Odour Monitoring Programs, Integrated Sample Data, and Air Quality Events (AQE) tracking. This position is responsible for the WBEA's Data Management Systems, and this also includes supporting WBEA's internal software projects and services.

The Software Developer must be able to communicate and discuss with colleagues the work status, report on issues as they arise, and propose and enact solutions.

The Software Developer is required to maintain and improve internal WBEA software projects and work closely with IT and other personnel to ensure needs are correctly interpreted and solutions are practical and efficient. The majority of the work is for the environmental monitoring programs and the Developer will be expected to have the most knowledge in this capacity.

Position Responsibilities

- Codes, tests, debugs, implements, and documents internal WBEA programs. Assists in the modification of WBEA products to meet the needs of the end-user.
- Maintain and improve WBEA's software programs related to:
    - AQE detection and notification system
    - WBEA Samples Database
    - WBEA Website
    - Continuous Data Viewer Programs
    - Online Portal for Employee Documentation and Sample Flow Information
    - Import and transfer of Gas Chromatograph data
- Support WBEA in the dissemination of routine monthly reports and data.
- Provide technical support to WBEA personnel responding to data requests and inquiries.
- Continually improve WBEA documentation and internal learning resources.
- Adhere to the WBEA Employee Manual and the WBEA Safety Manual.

Qualifications:

- Bachelor's degree in Computer Science, Engineering, or related field (or equivalent experience).
- At least 5 years of professional experience in software development with a strong emphasis on C#, .NET Framework, and .NET Core.
- Extensive experience in building Windows Forms applications.
- Proficiency in web development using .NET technologies (ASP.NET MVC, ASP.NET Core, etc.).
- Experience with PHP frameworks and WordPress development is advantageous.
- Strong understanding of object-oriented programming principles and design patterns.
- Proficiency in using development tools such as Visual Studio or similar.
- Deep knowledge of the .NET ecosystem, including libraries, frameworks, and tools.
- Experience with database technologies such as SQL Server, MySQL, or PostgreSQL.
- Familiarity with front-end technologies such as HTML, CSS, and JavaScript.
- Ability to write clean, maintainable, and efficient code.
- Strong problem-solving and troubleshooting skills.
- Excellent communication and collaboration skills, including the ability to work effectively in a team environment.
- Experience with version control systems such as Git.
- Knowledge of cloud platforms such as Azure or AWS is a plus.
- Continuous learning mindset to stay updated with the latest technologies and best practices in software development.
- Detail-oriented, creative, inquisitive, persistent, and self-motivated in applying research and analytical abilities in meaningful ways to support the WBEA's vision, mission, and goals.
- Must maintain high levels of discretion when dealing with confidential information.
- Maintain high-quality work with great attention to detail and accuracy.
- Have a working knowledge of the Alberta Air Monitoring Directive 2016.

Schedule: Full-time, 40 hours per week at 8 hours per day from Monday to Friday. Overtime may be required periodically, depending on operational needs.

Employment Status: Full-time, permanent

Salary: $81,000.00 - $105,000.00

Work Location: Fort McMurray, Alberta

Pre-Employment Requirements:

- Drug & Alcohol testing

- Valid Class 5 Driver's license, a clean driving record, and the ability to travel throughout the Regional Municipality of Wood Buffalo
- Criminal record check

For more information, visit: https://www.wbea.org

Application Instructions: Please submit a resume and cover letter that outlines why your skills, experience, and personality would make you an excellent candidate for the Software Developer role at the WBEA. If you are interested in joining our growing team, please apply here:

https://www.fitzii.com/apply/84571

Application Deadline: Open until position is filled.

We offer our employees an attractive compensation package that includes a competitive salary, above-market group health benefits, a group RRSP plan, a northern allowance, and a commitment to career development.

We thank all applicants for their interest. Only those selected for an interview will be contacted.