

Company Introduction

CMC Solutions is a leading supplier of PEMS or predictive emission monitoring systems, and the most advanced emissions monitoring solutions available on the market today. We provide customer preferred, best-in-class predictive emissions monitoring systems (PEMS), software components, and superior support to meet the most stringent regulatory compliance requirements.

CMC Solutions provides state-of-the-art predictive emissions monitoring system or PEMS components that are open, flexible, and uniquely adapted to meet EPA compliance reporting requirements and the needs of the enterprise. Our products are specifically designed to empower operations to accurately predict process and emissions parameters utilizing standard database and networking components. CMC Solutions provides a patented statistical hybrid data engine within a framework that integrates existing plant resources (CEMS, PCs, servers, PLCs, cabling, and controls) with innovative custom application software developed for standard operating systems and databases.

Job Description

We are looking for a C# developer responsible for building C# applications, including anything from back-end services to their client-end counterparts. Your primary responsibilities will be to design and develop these applications, and to coordinate with the rest of the team working on different layers of the infrastructure. Therefore, a commitment to collaborative problem solving, sophisticated design, and quality product is essential.

Responsibilities

- Translate application storyboards and use cases into functional applications.
- Design, build, and maintain efficient, reusable, and reliable C# code.
- Ensure the best possible performance, quality, and responsiveness of applications.
- Identify bottlenecks and bugs, and devise solutions to these problems.
- Help maintain code quality, organization, and automatization.

Skills

- Proficient in C#, with a good knowledge of its ecosystems.
- Familiarity with the .NET framework (4.0+), including LINQ.
- Strong understanding of object-oriented programming.
- Skill for writing reusable C# libraries.
- Familiar with various design and architectural patterns.
- Knowledge of concurrency patterns in C# (e.g. async/await, TPL).
- Experience with Microsoft SQL Server, basic T-SQL and stored procedures.
- Familiarity with Windows Presentation Framework.
- Knack for writing clean, readable C# code.
- Understanding fundamental design principles behind a scalable application.
- Creating database schemas that represent and support business processes.
- Basic understanding of Common Language Runtime (CLR), its limitations, weaknesses, and workarounds.
- Implementing automated testing platforms and unit tests.
- Proficient understanding of code versioning tools such as Microsoft Team Foundation Server.
- Familiarity with the Entity Framework (5.0+) ORM.