

Vertex Group

<https://thevertexgroup.com/career/job/senior-net-full-stack-lead-developer/>

Senior .Net Full Stack Lead Developer

Hiring organization

Vertex Group

Description

Job Duties: Vertex Consulting Services, Inc. in Schaumburg, IL is seeking Senior .NET Full

Stack Lead Developer who will architect, design, and lead the development of scalable enterprise-grade applications using modern .NET and cloud technologies.

Job duties and responsibilities include:

Leadership & Architecture

- Lead full-stack development teams to design, develop, and deploy enterprise applications using .NET 8, C#, and Angular/React.
- Architect solutions based on Microservices, Vertical Slice, Onion, and Clean Architecture principles.
- Drive migration from monolithic to microservices using Domain-Driven Design (DDD) and CQRS/MediatR patterns.
- Design API-first architectures leveraging RESTful, gRPC, and GraphQL for cross-system integration.

Backend Development

- Build high-performance, scalable backend systems using ASP.NET Core, Entity Framework Core, and Dapper.
- Implement Azure Functions, Service Bus, Kafka, and RabbitMQ for event-driven and message-based workflows.
- Optimize databases (SQL Server, Cosmos DB, Oracle, MongoDB) and write efficient Stored Procedures, Triggers, and PL/SQL.
- Apply multithreading, asynchronous programming, and caching for optimal performance.

Frontend Development

- Develop responsive web and mobile UIs using Angular 16+, React, TypeScript, Bootstrap, and Material Design.
- Integrate SignalR for real-time updates and ensure a smooth user experience.
- Collaborate with UI/UX teams to translate design into highly interactive front-end applications.

Cloud, DevOps & AI Integration

- Deploy and manage applications using Azure DevOps CI/CD, Docker, and Kubernetes (AKS).

- Implement secure cloud solutions with Azure Key Vault, Logic Apps, API Management (APIM), and App Services.
- Leverage Azure OpenAI, Semantic Kernel, and RAG pattern to build intelligent, AI-assisted features.
- Monitor system performance via Application Insights, Kusto Query Language (KQL), and Splunk dashboards.

Integration & Automation

- Integrate external services via MuleSoft, MS Dynamics CRM, Salesforce, Oracle ERP, and government APIs.
- Automate workflows using Azure Logic Apps, SSIS/SSRS, and Power BI dashboards.
- Secure APIs using OAuth2, JWT, and Azure AD B2C for authentication and authorization.

Team Mentorship & Quality

- Conduct code reviews, enforce best practices (SOLID, DRY, Dependency Injection).
- Maintain code quality using SonarQube, xUnit, NUnit, and Cypress.

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- Mentor junior developers and guide them through architectural and performance optimizations.

This position does not supervise the work of other personnel and does not perform any project management

Minimum Requirements:

Bachelor's degree in Computer Science or STEM (Science, Technology, Engineering, or Mathematics) field of study plus five (5) years of post-degree, progressively responsible experience in a lead or architect role.

Qualified applicants must also have demonstrable proficiency, skill, experience, and knowledge with the following:

1. Design scalable microservice architectures and implement Azure-based solutions
2. Backend (.NET) and frontend (Angular/React) technologies
3. CI/CD pipelines, containerization, AI integration, and enterprise application development
4. Five (5) years of exp in software development No travel.

This position is a hybrid role with a mix of in-office and remote work. Must work in the office 3 times per week. Additional Information: ·

Job Site: 937 N. Plum Grove Rd, Ste. C, Schaumburg, IL 60173;

Salary \$153,317/year

Benefits:

Employer offers standard medical, dental and 401K

Email Resumes to smk@thevertexgroup.com & note job title

EOE/Must be legally authorized to work in the US without sponsorship

#LI-DNI