



Karter Barnes

Application for .NET Architect

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Hiring Manager
Crescent Ridge Solutions
Raleigh, NC

Dear Hiring Manager:

I am applying for the .NET Architect contract role with Crescent Ridge Solutions. I bring 13 years of experience designing and delivering enterprise applications with C#, ASP.NET Core, ASP.NET MVC, .NET Framework, Web API, Entity Framework, and SQL Server. My work has centered on turning complicated business requirements into architectures that development teams can build, operate, and improve.

In my current role, I defined a modular ASP.NET Core and microservices architecture for a multi-tenant platform spanning six product domains. I established bounded contexts, API contracts, REST conventions, authentication guidance, and deployment patterns, then translated those decisions into reusable C# components and road maps used by four delivery squads. I also standardized Azure DevOps pipelines with Git, Jenkins quality gates, automated testing, container packaging, and environment approvals, making deployments more consistent and easier to review.

I stay close to implementation. I have tuned Entity Framework and LINQ queries, stored procedures, and SQL Server indexes for transaction-heavy systems; introduced RabbitMQ-based integrations; and improved production diagnosis through centralized logging, performance dashboards, and message tracing. I have led architecture and code reviews, mentored 11 developers, and worked directly with analysts, QA teams, and stakeholders to resolve tradeoffs before they become delivery problems. My background with Azure, OAuth, JWT, SSO, domain-driven design, and Agile delivery would allow me to contribute at both the architectural and hands-on levels.

I would welcome the opportunity to discuss how I could help Crescent Ridge Solutions set practical technical direction and deliver reliable .NET systems. Thank you for your consideration.

Sincerely,

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