

Liam Wells

Cover Letter

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Hiring Team
Blue Ridge Civic Systems
Winston-Salem, NC

Dear Hiring Team,

I am applying for the Senior A.I. Driven .NET Cloud Engineer position at Blue Ridge Civic Systems. I have nearly 10 years of experience building and operating C#/.NET systems for public-sector and regulated-service environments, including recent work on a case-management platform used by 14 state and municipal agencies. My work covers the full path from architecture and technical specification through deployment, troubleshooting, and production support.

AI-first, specification-driven development is central to how I work. In my current role, I use Claude and GitHub Copilot to turn detailed specifications, review checklists, and test scenarios into maintainable C#/.NET code, then apply human review, testing, and security controls before release. I have also led the decomposition of legacy .NET modules into Dockerized microservices on AWS EKS, using health checks, scaling policies, backward-compatible database changes, and Kubernetes rolling deployments to support releases without downtime.

The operational side of this work is equally important to me. I have implemented OpenTelemetry instrumentation, distributed tracing, structured logging, and metrics across APIs and background workers, making cross-service failures easier to locate. I have tuned SQL Server queries and indexes from execution-plan analysis, investigated memory growth through profiling and dump analysis, and used load testing to address throughput and connection-pool issues before agency releases. That combination of modernization, performance work, and practical production support would let me contribute quickly to your enterprise platform.

I would welcome the opportunity to discuss how my experience with AI-assisted delivery, .NET cloud architecture, Kubernetes, and public-sector systems could support Blue Ridge Civic Systems. Thank you for your consideration.

Sincerely,

Liam Wells



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