

Nathan Rhodes

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SUMMARY

Mid-level .NET Developer with four years of experience delivering enterprise web applications, **RESTful Web APIs**, backend services, and distributed systems across **multi-database environments**. Builds practical C# solutions with **ASP.NET Core**, .NET 8, **Entity Framework Core**, Angular, TypeScript, and SQL. Recent work includes decomposing order workflows into microservices, securing APIs with JWT, adding Redis caching, and connecting Kafka event streams. Brings steady judgment across dependency injection, middleware, async/await, LINQ, multithreading, query optimization, automated testing, debugging, code review, and CI/CD deployment. Enjoys working closely with product owners, QA, DevOps, and fellow developers, with a sincere interest in contributing onsite at Vertex Harbor Technologies and making enterprise delivery simpler for customers and teammates.

EXPERIENCE

Mid-Level .NET Developer

January 2025 - Present

Cobalt Ridge Systems

San Jose, California

Owns feature delivery for a .NET 8 order-management platform, guiding API, microservice, Angular, data, testing, and release work from product discovery through production support. Partners with product owners, QA, DevOps, and developers on dependable enterprise delivery.

- Led C# and Angular feature work for an order-management platform, converting product requirements into deployable workflows and clearer customer operations.
- Split order and notification workloads into **ASP.NET Core** microservices, isolating releases and giving support teams simpler fault paths during production issues.
- Built RESTful Web APIs with JWT authorization, **dependency injection**, middleware, **async/await**, LINQ, and Entity Framework Core, protecting internal application access.
- Added **Redis caching** for customer and inventory lookups, pairing targeted invalidation with **SQL Server** consistency so frequent requests stayed responsive.
- Connected Kafka producers and consumers for order-status events, documenting retries and failure paths with QA and DevOps for calmer incident handling.
- Raised release confidence through Git pull requests, xUnit integration testing, query-plan reviews, **CI/CD** gates, debugging, and deployment runbooks.

.NET Developer

July 2023 - December 2024

Blue Mesa Software

Sacramento, California

Delivered API and interface capabilities for a multi-tenant service portal used by operations teams across several business units. Balanced application design, database performance, event processing, testing, and release coordination with product, QA, and DevOps partners.

- Delivered **ASP.NET Core** APIs and **Angular components** for a multi-tenant service portal, turning operational needs into clearer case-processing screens.
- Applied Repository and **Unit of Work** patterns with **Entity Framework Core**, separating persistence concerns across SQL Server and PostgreSQL integrations.
- Tuned joins, indexes, **stored procedures**, and asynchronous data access after reviewing execution plans and traces, improving response consistency for operations staff.
- Created responsive HTML, CSS, JavaScript, and TypeScript interfaces with **Angular services** and RxJS streams, reducing repeated steps in case workflows.
- Added Redis response caching and Kafka handlers for document and status updates, then documented structured logging and dead-letter troubleshooting.
- Supported peer code reviews, regression testing, defect analysis, Git workflows, CI/CD releases, and coordinated fixes with QA, DevOps, and product owners.

Associate .NET Developer

June 2022 - June 2023

Northstar Application Group

Reno, Nevada

Supported internal **enterprise applications** through supervised feature development, API testing, database work, Angular interfaces, and controlled releases. Built a dependable foundation in coding standards, debugging, software engineering practices, and collaboration with senior engineers and QA.

- Supported C#, **ASP.NET Core**, and **Entity Framework Core** application work under senior review, keeping internal tools aligned with coding standards and business needs.

- Developed and tested REST endpoints for account and service records with model validation, dependency injection, **middleware**, and clear HTTP responses.
- Wrote **LINQ** queries and SQL Server stored procedures for reporting, resolving joins, null handling, and transaction defects before QA handoff.
- Built Angular components with **TypeScript**, HTML, CSS, services, and RxJS patterns for responsive administrative screens used by internal teams.
- Added unit and integration tests for controllers and repositories, recording edge cases that helped QA reproduce and close defects sooner.
- Used Git branches, pull requests, and CI/CD pipelines to package releases, investigate build failures, and support controlled development and test deployments.

PROJECTS

Event-Driven Fulfillment Hub 📅 2025

Partnered with operations and QA contacts on a Kafka-based fulfillment concept. Built small ASP.NET Core services, Redis lookups, JWT-protected REST endpoints, and retry handling that clarified shared service goals.

Multi-Database Service Portal 📅 2024

Worked with a small delivery group on a portal spanning SQL Server, PostgreSQL, and MySQL. Mapped Entity Framework Core repositories, query paths, and Angular screens around practical user needs.

LEADERSHIP & AWARDS

- Dean's List, University of Nevada, Reno, 2020-2022
- Outstanding Senior Capstone Project, Department of Computer Science, 2022
- .NET Study Group Mentor, University of Nevada, Reno, 2021-2022

EDUCATION

Bachelor's Degree in Computer Science

2022

University of Nevada, Reno GPA: 3.8

Reno, Nevada

Coursework: Object-Oriented Programming, Database Systems, Web Application Development, Software Engineering

CERTIFICATIONS

- Microsoft Certified: Azure Developer Associate 📅 2025
- Microsoft Certified: Azure Fundamentals 📅 2023

TECHNICAL SKILLS

- **C# and .NET:** C#, .NET 8, ASP.NET Core
- **Web API Development:** RESTful Web APIs, HTTP, JWT
- **Frontend Development:** Angular, HTML, CSS
- **JavaScript Frameworks:** JavaScript, TypeScript, RxJS
- **Data Access:** Entity Framework Core, LINQ, ADO.NET
- **SQL Databases:** SQL Server, MySQL, PostgreSQL
- **Database Performance:** SQL joins, indexing, stored procedures
- **Messaging Systems:** Kafka, event-driven architecture, consumers
- **Caching Systems:** Redis, response caching, cache invalidation
- **Architecture Patterns:** Microservices, Repository pattern, Unit of Work
- **Software Design:** OOP, SOLID principles, dependency injection
- **Concurrency:** Async/await, multithreading, task parallelism
- **Testing:** xUnit, unit testing, integration testing
- **DevOps Delivery:** Git, CI/CD, deployment pipelines
- **Application Security:** JWT, middleware, model validation

SKILLS

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|--------------------|-------------------------|------------------------|---------------|
| • C# | • Angular | • Redis | • Async/Await |
| • .NET 8 | • Entity Framework Core | • Kafka | • LINQ |
| • ASP.NET Core | • Microservices | • TypeScript | • CI/CD |
| • RESTful Web APIs | • SQL Server | • Dependency Injection | |

PROFESSIONAL AFFILIATIONS

- .NET Study Group, University of Nevada, Reno, 2021-2022
- Software Engineering Club, Technical Workshop Coordinator, 2020-2022

LANGUAGES

- English (Native)
- Spanish (Intermediate)

ADDITIONAL INFORMATION

Work Status : Authorized to work in United States. No sponsorship required.

REFERENCES

AVAILABLE ON REQUEST