

Alex Johnson

Software Developer • .NET / C# / Web Applications

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PROFESSIONAL SUMMARY

Software developer with 5+ years of experience designing and building web applications on the Microsoft stack. Deep expertise in C# and ASP.NET Core for RESTful APIs and back-end services, with hands-on experience in front-end frameworks and relational databases. Proven track record modernizing legacy .NET applications, implementing clean architecture, and improving performance and reliability in production environments.

EXPERIENCE

Software Engineer

Apr 2021 – Present

TechNova Solutions

Seattle, WA

- Designed and implemented microservice-style APIs using **ASP.NET Core 7, C#, and Entity Framework Core**, powering a SaaS platform handling ~1.5M requests/day.
- Led migration of a legacy **.NET Framework 4.6** monolith to a modular **.NET 6** architecture, reducing average response time by ~35% and deployment time from hours to under 10 minutes.
- Built internal admin UI using **React** and **TypeScript** backed by ASP.NET Core APIs, enabling non-technical teams to manage configuration and customer accounts.
- Optimized database access on **SQL Server** with indexed views, stored procedures, and EF Core query tuning, resulting in a 50% reduction in high-CPU SQL incidents.
- Implemented automated CI/CD pipelines in **Azure DevOps**, including unit tests, code quality checks, and blue-green deployments to Azure App Service.

Software Developer

Jul 2019 – Mar 2021

BrightLine Systems

Bellevue, WA

- Developed features for an enterprise order management system using **ASP.NET MVC, Web API**, and **Razor** views.
- Collaborated with senior engineers to refactor business logic into reusable C# libraries and improve unit test coverage from ~30% to ~70%.
- Built data-heavy screens with **jQuery, Bootstrap**, and server-side paging against **SQL Server** to handle 100k+ record datasets.
- Participated in daily Scrum ceremonies, backlog grooming, and estimation using Jira and Azure Boards.

SELECTED PROJECTS

Subscription Billing API Platform

TechNova Solutions • 2022 – 2024

Tech: ASP.NET Core 7, C#, EF Core, SQL Server, Azure App Service, Azure Key Vault, Redis

Led back-end development for a multi-tenant subscription billing engine. Exposed RESTful endpoints for plan management, invoicing, and payment workflow. Used EF Core with code-first migrations and optimized LINQ queries for complex billing calculations. Introduced caching with Redis to reduce load on SQL Server and implemented background processing for invoice generation using hosted services.

Customer Self-Service Portal

TechNova Solutions • 2021 – 2023

Tech: ASP.NET Core 6, React, TypeScript, REST APIs, IdentityServer, Azure DevOps

Built a responsive self-service portal allowing customers to manage subscriptions, usage, and account settings. Implemented secure authentication and authorization using JWT and IdentityServer. Developed reusable React components for forms, tables, and notifications, consuming .NET Core APIs. Set up CI/CD with Azure DevOps pipelines to automate builds, tests, and deployments per environment.

Legacy .NET Modernization

BrightLine Systems • 2020 – 2021

Tech: .NET Framework 4.6, ASP.NET MVC 5, Web API 2, SQL Server, Dapper

Worked on incremental modernization of a 10-year-old line-of-business application. Extracted business logic from Web Forms into Web API endpoints and domain services. Replaced chatty ORM calls with parameterized Dapper queries and stored procedures. Introduced structured logging and improved exception handling patterns across the codebase.

Internal Reporting Dashboard

Side Project • 2019 – 2020

Tech: ASP.NET Core 3.1, Razor Pages, Chart.js, PostgreSQL, Docker

Created a reporting dashboard for internal analytics. Designed normalized PostgreSQL schema, wrote ETL jobs to aggregate metrics, and exposed dashboard views with Razor Pages and Chart.js visualizations. Containerized the application with Docker for easier deployment to test servers.

CORE SKILLS

Languages & Frameworks

- C# EXPERT ASP.NET Core ADVANCED ASP.NET MVC / Web API ADVANCED Entity Framework Core ADVANCED
LINQ ADVANCED .NET 6/7 ADVANCED

Front-End

- React INTERMEDIATE TypeScript INTERMEDIATE JavaScript (ES6+) INTERMEDIATE HTML5 / CSS3 ADVANCED
Razor Pages ADVANCED jQuery INTERMEDIATE

Databases

- SQL Server ADVANCED T-SQL ADVANCED PostgreSQL INTERMEDIATE Dapper INTERMEDIATE

Cloud, DevOps & Tools

- Azure App Service INTERMEDIATE Azure DevOps INTERMEDIATE Git ADVANCED Docker INTERMEDIATE
CI/CD Pipelines INTERMEDIATE xUnit / MSTest INTERMEDIATE

Practices

- OOP / SOLID ADVANCED REST API Design ADVANCED Clean Architecture INTERMEDIATE Agile / Scrum ADVANCED
Unit & Integration Testing INTERMEDIATE

EDUCATION

B.Sc. in Computer Science

University of Washington

2015 – 2019 • Seattle, WA

- Relevant coursework: Data Structures & Algorithms, Database Systems, Distributed Systems, Software Engineering

CERTIFICATIONS

- Microsoft Certified: Azure Fundamentals AZ-900
- Microsoft Certified: .NET Developer (in progress)

ADDITIONAL

- Comfortable working with both greenfield and legacy .NET applications.
- Experience collaborating with distributed teams using Git, code reviews, and pull requests.
- Regularly mentor junior developers on C# best practices and debugging techniques.