Jacob Troutman

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Senior Software Developer | Full-Stack Engineer | Product Optimization | Scalable Solutions

Full-stack engineer with over 9 years of experience improving system reliability, performance, and scalability across enterprise environments. Strong background in C#, .NET, SQL, and cloud platforms. Focus on asynchronous workflows, API design, and large-scale data operations. Experienced in refactoring legacy systems, building modern backend services, and collaborating with product teams to define technical specs and improve admin workflows. Skilled in systems thinking, architecture planning, and supporting applications used by large user groups.

SKILLS

CORE	Full-stack engineering, distributed systems fundamentals, async processing, API design, SQL optimization, data modeling, cloud engineering (AWS and Azure), access control patterns, change management workflows, system performance analysis, scalable architecture, product specification writing, enterprise-scale integrations, CI/CD collaboration, Agile development
LANGUAGES	C#, C++, JavaScript, HTML5, CSS3, SQL, Java, PHP
FRAMEWORKS	.NET Framework / Core, Blazor, MVC, AWS, Azure, SOLR, MongoDB
TOOLS	Git, DevExpress, Visual Studio, Jira, Confluence, NuGet, Claude Code
SPECIALTIES	Application modernization · UI/UX optimization · Backend refactoring · API integration · Agile development · CI/CD collaboration

PROFESSIONAL EXPERIENCE

Senior Software Developer · S&S Activewear — Feb 2026 – Present

- Lead front-end modernization of the eCommerce platform's 2026 brand refresh, building a reusable design-token system adopted across the site to replace inconsistent legacy styles.
- Build and maintain shared Blazor components (grid, navigation, text box) distributed as an internal NuGet package, standardizing UI patterns across multiple site sections.
- Integrate Claude Code into the development workflow to accelerate a multi-branch rebrand initiative, using AI-assisted analysis to trace design-token dependencies across dozens of interrelated feature branches and speed up merge-conflict resolution.
- Use AI-driven code review to catch styling/spec mismatches and edge cases ahead of human review, reducing PR review cycles on a 37-ticket initiative that touched shared components.
- Apply AI pair-programming to scaffold and refactor Blazor/ASPX components consistently with the new design-token system, improving delivery speed without sacrificing adherence to spec.

C#, .NET, Blazor, ASP.NET (ASPX), JavaScript, LESS/CSS, SQL, Git, Azure DevOps, Claude Code

Senior Software Developer · Momentum3 Feb 2024 – Feb 2026

- Improved system stability and backend reliability by refactoring C# and .NET services used in enterprise workflows.
- Rebuilt legacy UI code into modern Blazor-based components that support cleaner state management and improved maintainability.
- Partnered with product leads to clarify requirements, write technical specs, and deliver backend features that support admin workflows and user management tools.
- Integrated AI coding assistants into daily development workflows to accelerate scaffolding, refactoring, and unit test generation across C# and .NET services, increasing feature throughput without compromising code review standards.
- Leveraged AI-assisted analysis to map dependencies and translation paths in legacy UI code, reducing the discovery effort required to rebuild components in Blazor.
- Applied AI-driven code review and static analysis alongside standard testing practices to surface defects and edge cases earlier in the development cycle, contributing to improved backend reliability.
- Designed reusable components and backend modules to reduce code duplication and improve long-term scalability.
- Worked with cross-functional teams to support data changes, versioning updates, and system behavior alignment during feature rollouts.

`C#, .NET Framework, Blazor, HTML5, CSS3, DevExpress, Claude Code`

Software Developer · ENACOMM Apr 2020 – Feb 2024

- Modernized .NET applications with Blazor and JavaScript, adding responsive layouts and reusable components that improved UI performance by 30%.
- Refactored SQL queries and SOLR indexing strategies to improve data retrieval speed at scale.
- Maintained voice assistant APIs for Alexa and Google integrations and supported related cloud workflows across AWS and Azure.
- Enhanced backend services to reduce errors during async operations and improve reliability of scheduled tasks.
- Worked closely with QA and product to improve requirement clarity and reduce post-release issues.

`C#, .NET Framework, SQL, SOLR, Blazor, JavaScript, HTML5, CSS3, AWS, Azure`

Software Developer · Lashback Apr 2018 – Feb 2020

- Built an AI-based email classification system that automated manual review processes and improved backend analytic accuracy.
- Overhauled UI/UX for multiple web applications, aligning design with new branding and user behavior insights.
- Enhanced system stability by quickly diagnosing and resolving backend bottlenecks in C# and SQL.
- Created technical documentation and onboarding materials to support new engineers.

`C#, .NET Framework, SQL, MongoDB, SOLR, AWS, JavaScript, HTML5, CSS3`

EDUCATION

B.S. Computer Science, Interactive Media focus · McKendree University, Lebanon, IL · Minor: Business Administration May 2018