

# Ivan Zakrevskyi

Full-Stack Software Developer

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## SUMMARY

Full-stack Software Developer with 3+ years of experience designing and modernizing enterprise web applications on the Microsoft stack — C#, ASP.NET Core, SQL Server, and Azure. Specialized in modernizing legacy .NET applications (.NET 3.5/4.x Web Forms and Classic ASP) to .NET 8, event-driven architectures with RabbitMQ, and secure SOAP/REST API integrations with third-party services. Pragmatic problem-solver who pairs clean architecture with measurable delivery, and writes about the work at [zakrevskyi.dev](http://zakrevskyi.dev).

## SKILLS

**Languages:** C#, JavaScript, TypeScript, SQL, HTML, CSS

**Backend:** ASP.NET Core (Web API, MVC, Razor Pages), .NET Framework, Entity Framework Core, Dapper, AutoMapper, LINQ, async/await

**Frontend:** React, jQuery, Bootstrap, HTML5, CSS3

**Databases:** SQL Server (T-SQL, stored procedures, query tuning, indexing), PostgreSQL, Redis

**APIs & Integration:** REST, SOAP (WCF), JSON, XML, OpenAPI/Swagger, JWT, OAuth2/OpenID Connect, SignalR, RabbitMQ (event-driven architecture)

**Cloud & DevOps:** Azure (App Service, Functions, SQL, Storage, Key Vault), Docker, CI/CD (Azure DevOps, GitHub Actions), Git

**Testing:** xUnit, NUnit, integration testing

**Practices:** Clean architecture, dependency injection, service/repository pattern, Agile/Scrum, code reviews, AI-assisted development (GitHub Copilot, Claude Code)

## WORK EXPERIENCE

### AMETEK Aerospace & Defense | Feb 2026 – Present *Software Developer (Contract, Remote)*

- Stabilized and enhanced a legacy Classic ASP / VBScript Quality Control web application supporting manufacturing operations, fixing defects in serial-number generation logic, admin access control, and data-import tooling critical to QC throughput.
- Diagnosed and resolved production issues across the full stack - stored procedures, IIS configuration, database connectivity, and SQL Server restores - improving reliability of manufacturing and QC workflows.
- Authored migration assessments and risk analyses for modernizing the legacy Classic ASP codebase to ASP.NET Core 10, identifying technical debt, dependencies, and phased migration paths; published findings and approach at [zakrevskyi.dev/blog/classic-asp-to-aspnet-core](http://zakrevskyi.dev/blog/classic-asp-to-aspnet-core).

### LNI Software Inc. | Sep 2022 – Jan 2026 *Software Developer, Mississauga, ON*

- Analyzed requirements with BAs/PMs, designed solutions, and participated in Agile/Scrum activities.
- Developed front- and back-end functionality for enterprise web applications using C#/ASP.NET Core (Razor/MVC), JavaScript/React/jQuery, integrated EF Core/Dapper data layers on SQL Server, implemented Identity and JWT for secure REST APIs.

- Led migration of legacy ASP.NET applications to ASP.NET Core (.NET Framework to .NET Core).
- Implemented background jobs with Hosted Services and Quartz.NET; automated SFTP file-processing workflows.
- Optimized SQL Server performance via query tuning, indexing, Dapper, and stored procedures.
- Applied IoC/DI, async patterns, interfaces, and clean architecture to improve maintainability and testability.
- Delivered via CI/CD (Azure DevOps, GitHub Actions); created branches, opened PRs, and resolved merge conflicts.
- Followed coding standards, conducted code reviews, and wrote unit/integration tests (xUnit/NUnit).
- Communicated status and risks to senior developers/PMs, and provided production support.

## PROJECTS

### **Legacy Web Application Modernization - Premium Line Transport** | *ASP.NET Core 8, C#, Razor Pages, DevExpress, Hosted Services*

- Led end-to-end migration of a legacy ASP.NET Web Forms application (.NET Framework 3.5) to ASP.NET Core 8, modernizing the entire stack and eliminating years of accumulated technical debt.
- Rebuilt the UI using MVC Controllers and Razor Views, applying dependency injection and the service/repository pattern to improve testability, maintainability, and separation of concerns.
- Replaced a Java/Tomcat background service with ASP.NET Core Hosted Services that monitor SFTP endpoints and load Compugen freight tender files into the Trackmate database, consolidating onto a single tech stack.
- Migrated Crystal Reports to DevExpress Reporting for PDF freight document generation, improving rendering performance and maintainability.

### **Soil Tracking - Background services** | *ASP.NET Core, C#, RabbitMQ, SignalR, Dapper, Quartz.NET*

- Architected an event-driven background processing system using ASP.NET Core Hosted Services to receive real-time GPS telemetry from Samsara via registered webhooks, enabling near real-time soil-load tracking across the fleet.
- Designed a publisher/consumer messaging pipeline with RabbitMQ, where webhook events were published to a queue and consumed by background workers, decoupling telemetry ingestion from the main web application for improved scalability and fault tolerance.
- Implemented real-time UI updates via SignalR, pushing telemetry and soil-load changes to connected clients immediately upon database persistence, eliminating the need for manual refreshes.
- Built scheduled background jobs with Quartz.NET to poll soil-load data from on-site scanners at recurring intervals, automatically creating load records in the database without manual intervention.

### **Logistics Platform - Third-Party Integrations & API Development** | *ASP.NET Core, C#, REST, SOAP, JWT*

- Integrated logistics web application with Hwy905 SOAP web services to query shipment data and retrieve shipping documents.
- Consumed FedEx and UPS REST APIs for shipment tracking and retrieval of signed Proof of Delivery (POD) documents, saved directly into the claims system.
- Designed and published secure RESTful Web APIs for external reporting system, implementing JWT-based authentication and authorization to protect endpoints.

**E-commerce Multilingual Product Catalog – SIA Note (note.lv) | ASP.NET Core, C#, Dapper, SQL Server, ASP.NET Core Identity**

- Designed and developed a multilingual product catalog for a camper/RV parts and accessories retailer, supporting Latvian, Russian, and English with per-locale product names and descriptions through normalized translation tables and ASP.NET Core's built-in localization framework.
- Built admin workflows for product lifecycle and translation management using ASP.NET Core, SQL Server, Dapper, and stored procedures, achieving high-performance data access across catalog browsing and content management operations.
- Implemented secure user registration and authentication with ASP.NET Core Identity, enforcing role-based access control (RBAC) to separate customer, admin, and content-management permissions.

**EDUCATION**

Computer Programming and Analysis Diploma

George Brown College - Toronto, ON | 2022 – 2025

Relevant coursework: Web Development, Cloud Computing, Database Systems, Software Architecture, Agile Methodologies.