

# OLEKSANDR SHCHEGOL

**Software Developer | C#, .NET, ASP.NET Core, SQL Server**

Edmonton, AB

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## Professional Summary

Full-stack developer with 6 years of experience, including nearly 5 years building and maintaining web applications for municipal and government clients. Software Developer II at Catalis (GovTech), developing website management, meeting management and mass notification products across a modern .NET 10 / AWS platform and a large legacy ASP.NET Web Forms application. Promoted in 2024 after two years as Implementation Development Lead, including mentoring software development interns. Skilled in C#, VB.NET, ASP.NET Core Web API, Blazor, Entity Framework Core, SQL Server and PostgreSQL. Earned a Bachelor of Applied Information Systems Technology from NAIT while working full-time.

## Technical Skills

- **Languages:** C#, VB.NET, SQL (T-SQL)
- **Frameworks:** .NET 10, ASP.NET Core Web API, ASP.NET MVC, ASP.NET Web Forms, .NET Framework, Entity Framework Core, LINQ, Blazor WebAssembly, MudBlazor
- **Front End:** JavaScript, jQuery, Bootstrap, HTML, CSS
- **Database:** SQL Server, PostgreSQL (pgAdmin), database migrations (DbUp, FluentMigrator)
- **Cloud & DevOps:** AWS (S3, Secrets Manager), Docker, Azure DevOps (Repos, Pipelines), GitHub, Git
- **Testing:** Playwright
- **AI-Assisted Development:** Claude Code, GitHub Copilot
- **Practices:** Clean Architecture, REST API design, JWT authentication, code review, legacy system maintenance, mentoring

## Professional Experience

**Software Developer II - Catalis | Oct 2024 - Present**

- Help modernize legacy website management, meeting management and mass notification products by building new pages on a C# / .NET 10 platform (Clean Architecture, ASP.NET Core Web API, PostgreSQL) and embedding them into the existing legacy applications.
- Build admin UI pages in Blazor WebAssembly and MudBlazor, connected to the ASP.NET Core Web API.
- Use Amazon S3 for file storage and AWS Secrets Manager to keep credentials and connection strings out of application code.

- Connect the modern platform to legacy SQL Server databases and manage schema changes through version-controlled DbUp migrations.
- Maintain and extend a large legacy meeting management application built with ASP.NET Web Forms, VB.NET and .NET Framework, fixing defects and delivering features requested by government clients.
- Write end-to-end browser tests with Playwright and deploy releases through Azure DevOps pipelines.

#### **Implementation Development Lead - Catalis | Aug 2022 - Oct 2024**

- Mentored software development interns by breaking down tasks, answering technical questions, and guiding their work through completion.
- Reviewed intern code before merging to keep it consistent with team standards.
- Managed database migrations and data updates for client implementations as application requirements changed.
- Implemented new features and integrated them into existing applications, working with UI/UX designers, product managers and QA.

#### **Junior Software Developer - MuniSight | Dec 2021 - Aug 2022**

- Implemented design packages for municipal websites, turning approved designs into live public-facing ASP.NET MVC sites.
- Maintained a CMS platform with an ASP.NET Web Forms administration application and ASP.NET MVC public websites.
- Fixed defects and built client-requested features, partnered with QA on reported issues, and participated in code reviews with senior developers.

#### **Junior Software Developer - Truck Part Solutions Inc. | Jul 2020 - Sep 2021**

- Built full-stack web application features using ASP.NET MVC, Entity Framework, jQuery, Bootstrap and SQL Server.
- Designed and built ASP.NET Web API endpoints that third-party websites used to access parts and inventory data.
- Maintained and optimized the existing system and its databases.
- Tested and reviewed new code before release, working with the product manager to meet client requirements.

## **Education**

### **Bachelor of Applied Information Systems Technology (Information Systems)**

Northern Alberta Institute of Technology (NAIT), Edmonton, AB | 2023 | GPA 3.94/4.0

### **Diploma, Digital Media and IT (Computer Software Development)**

Northern Alberta Institute of Technology (NAIT), Edmonton, AB | 2020