

Damian Sempski

Aspiring Software Developer

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Summary

Computer Science student and aspiring C# .NET software developer, passionate about building robust backend solutions. Active contributor to The C# Academy, an open-source learning platform, where I implement new features and help guide aspiring developers. Passionate about writing clean, maintainable code, following best practices, and giving back to the open-source community.

Education

BEng WSB Merito Poznań, Computer Science Poznań, Poland
Oct 2023 – present

Tech- Zespół Szkół Ekonomicznych w Gnieźnie, IT Gniezno, Poland
Sept 2019 – June 2023
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Projects

The C# Academy Apr 2025 – present

Open-source learning platform for C# and .NET with structured roadmap, project tracking, gamified XP system, leaderboards, and project reviews.

Links: [GitHub](#), [Live](#)

Technologies: C#, ASP.NET Core, Blazor, MudBlazor, Entity Framework Core, SQL Server

- Implemented LeetCode challenges support and tracking statistics for completed coding challenges to challenges system
- Reactivated showcase page where users can post their completed projects
- Implemented community feed displaying activity within community
- Implemented leaderboard for reviewers to recognize top contributors
- Reviewed and provided feedback on user-submitted projects
- Fixed UI issues to improve mobile responsiveness

Flashcards

Modern flashcard application with spaced repetition for efficient learning.

Links: [GitHub](#)

Technologies: C#, .NET 9, SQL Server, Dapper, Spectre.Console, Docker, xUnit, NSubstitute, TestContainers

- Multiple card types with spaced repetition (Leitner System)
- Study statistics and monthly reports
- Unit/integration tests with xUnit, NSubstitute, TestContainers
- GitHub Actions CI/CD

TournamentAPI

GraphQL web API for tournament management with automatic bracket generation.

Links: [GitHub](#)

Technologies: C#, ASP.NET Core, HotChocolate GraphQL, Entity Framework Core, JWT Authentication, NBomber, xUnit

- Tournament and participant management and enrollment
- Match play with winner tracking
- Load and stress testing with NBomber
- Integration tests for API endpoints

Skills

Programming Languages: C#, .NET, SQL

Backend Technologies: ASP.NET Core, Entity Framework Core, GraphQL, REST APIs, JWT Authentication

Frontend Technologies: Blazor, HTML, CSS, JavaScript

Databases: SQL Server, PostgreSQL

Testing & Quality: xUnit, NSubstitute, TestContainers

DevOps & Tools: Docker, GitHub Actions

Interests

Chess, Anime, Movies, Technology and Crypto Currencies