Sergii Kucherenko
full-stack developer

Kyiv, (Ukraine)

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SUMMARY

21-year-old full-stack developer (C#, JS, TS). Experienced in building applications using .NET and ASP.NET Core frameworks, covering layered architecture, authentication, ORMs, SQL/NoSQL databases, caching, concurrency handling, real-time updates, unit testing, and Docker-based containerization. I am passionate about creating clean, efficient solutions and exploring how technologies work under the hood. A quick learner, focused on using modern programming concepts and best practices to build scalable, maintainable, and optimized systems. I enjoy transparent communication and tackling new challenges.

SKILLS

- **General:** C#, JavaScript, TypeScript, Python, (OOP, OOD, SOLID, monolith, microservices)
- **.NET Core:** Worker Service, Configuration API, CommandLine, xUnit, Moq
- **ASP.NET Core:** Web API, MVC, Identity Core, SignalR
- **Databases:** Entity Framework Core, PostgreSQL, MySQL, MS SQL, Redis, GraphQL
- **Frontend / Web:** HTML, CSS/SCSS, DOM, Angular (v20), RxJS, HTTP, REST APIs, JWT, Swagger, Postman
- **Infrastructure:** Git, Docker, VMs, basics of RabbitMQ, Azue, AWS

WORK EXPERIENCE (2)

MeetPoint   May 2024 - Jun 2025
Web application to simplify meetup organizing by calculating optimal locations for multiple users. Github link

- Architected a clean monolithic system from the ground up, aligned with modern best practices;
- Implemented core functionality and contributed to establishing team coding standards;
- Set up database schemas, ensuring optimization and maintenance, implemented JWT-based authorization and SignalR sessions;
- Initialized and maintained project infrastructure;
- Actively participated in planning, code reviews, and team communications.

Backend ASP.NET (Web API), ASP.NET Core Identity, Google Maps Platform, EF Core, PostgreSQL, Redis, xUnit, Moq, Swagger.

Frontend: Angular (v20), Angular Material (v3), RxJS, Google Maps Platform.

Infrastructure: Git, Docker

Rewriter   Dec 2023 - Mar 2024
Long-running Windows background service for automatic file conversion to PDF. Github link

- Was responsible for designing the service architecture and structure;
- Worked closely with the Configuration API and implemented validation workflow
- Participated in testing and maintenance processes.

Backend: .NET Core, Worker Service, Configuration API.

Infrastructure and tools: FluentValidation, Microsoft Office Interop API, Windows Service Control Manager, Git.

PROJECTS (2)

ETL CLI test tool   Nov 2025 - Nov 2025
ETL CLI test tool with data preprocessing and bulk import from csv to MS SQL database. Github link

- Implemented streamed, type-agnostic CSV import handling large files efficiently.
- Designed data preprocessing pipeline for cleaning, transforming datasets with optimized memory usage and bulk insertions
- Developed database schema with computed columns and performance-focused indexes

Tech stack: .NET console application, CommandLine, MS SQL.

Tools: DI container, Git, Docker, CsvHelper, FastMember.

Obsidian codebase   Jul 2025 - Current
Personal codebase for Obsidian vault with custom scripts, utilities, and integrations. Github link

- Designed command-like syntax and a custom date expression parser;
- Implemented enhancements and optimizations to the caching system and entity managers;

Obsidian development: Obsidian, CustomJS, QuickAdd, Dataview and other plugin APIs.

Web technologies: HTML, CSS, DOM, JavaScript.

EDUCATION (1)

Bachelor of Software Engineering, Faculty of Applied Mathematics   2021 - 2025
National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute"

Program details

LANGUAGES

English   **Ukrainian**

C1   Native speaker