Sergii Kucherenko
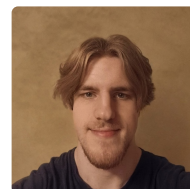## full-stack developer

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, ORM, SQL/NoSQL databases, caching, concurrency handling, 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

- C#, JavaScript, TypeScript, Python
- .NET Core (Worker Service, SignalR, Configuration API)
- ASP.NET Core (Web API, MVC, Identity Core)
- OOP, SOLID, monolith, microservices
- Entity Framework Core, MySQL, PostgreSQL, Redis, GraphQL
- HTML, CSS/SCSS, DOM, Angular (v20), Angular Material (v3), RxJS
- HTTP, REST APIs, JWT
- Basics of RabbitMQ, Azue, AWS
- Git, Docker, VMs, Swagger, Postman

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 and managed database schemas from the ground up, ensuring optimization and maintenance;
- Implemented JWT-based authorization and managed SignalR sessions;
- Initialized and maintained project infrastructure;
- Actively participated in planning, code reviews, and team communications.

Backend ASP.NET Wep API (REST), ASP.NET Core Identity, Google Maps Platform, EF Core, PostgreSQL, Redis.

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

Infrastructure: Git, Docker, Swagger.

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;
- 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 (1)

Obsidian codebase   **Jul 2025 - Current**

Personal codebase for Obsidian vault with custom scripts, utilities, and integrations. Github link

- Implemented multiple extensible base entity managers;
- Designed command-like syntax and a custom date expression parser;
- Implemented enhancements to the caching system, adding custom handlers and optimizations;
- Developed various QoL features alongside new functionality.

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*