

Vlada Skulska

C#/.NET Developer

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Dynamic and motivated .NET Developer with 1 year of experience in C#/.NET development. Proficient in C#, ASP.NET, REST API, Entity Framework, with a growing understanding of OOP/OOD, SOLID principles. Seeking an opportunity to innovate and deploy distinctive solutions that address business requirements while advancing professional development within the industry.

SKILLS

- **Technologies:** .NET, ASP.NET Core, EF Core, REST API
- **Programming:** C#, SQL (basic), JavaScript
- **Web Fundamentals:** HTML5, CSS3, JSON, API Integration
- **Databases:** PostgreSQL
- **Testing:** Unit Testing (xUnit)
- **Tools:** Git, GitHub
- **Computer Science:** Architecture, Data Structures & Algorithms
- **Understanding of:** Object-Oriented Programming (OOP), SOLID, Agile/SCRUM methodologies

ADDITIONAL

- **Development Tools:** Visual Studio, Visual Studio Code
- **English:** C1

EXPERIENCE

LexiContext | January 2026 - Present

Implemented & Current Focus:

- **Architecting a .NET 8 backend** using **Clean Architecture** for high maintainability and framework independence
- **Developing** a core vocabulary system with multi-language support (DE, EN, UA) and **PostgreSQL/EF Core** relational mapping
- **Implementing Repository Pattern** and **Dependency Injection** to decouple business logic from data access
- **Applying Async/Await** patterns across all layers to ensure non-blocking server operations
- **Integrating FluentValidation** to ensure data integrity and robust request validation in the Application layer
- **Implementing** comprehensive unit testing using **xUnit** and **Moq** to validate business logic

Upcoming Development (In Roadmap):

- **Integrating LLM** (Generative AI) for automated context generation and AI-driven translations
- **Implementing SM-2 algorithm** to calculate optimal spaced repetition intervals for memory retention
- **Designing a React** frontend to consume the RESTful Web API and provide a seamless UX
- **Smart Stories:** Designing an AI module to generate personalized stories from user-specific word lists
- **Implementing JWT** Authentication for secure user identity management and data access
- **Setting up CI/CD** pipelines via **GitHub Actions** for automated build and deployment processes

Tech Stack:

.NET 8, ASP.NET Core, EF Core, PostgreSQL, FluentValidation, xUnit, Moq, Git

AR-Business Card| Mobile AR Application | 2024 – 2025

Implemented Features:

- Developed an interactive AR mobile application for **KPI** Software Engineering **coursework**
- Implemented stable Image Tracking with **AR Foundation** to overlay 3D models on physical cards
- Engineered custom C# scripts for 3D manipulation (rotation, zoom) via **Raycasting**
- Designed a **Billboard UI** system for social media buttons with dynamic camera orientation
- Integrated web redirects within AR to connect physical markers with digital profiles

Achievements:

- Released stable **Android** build (**build1.apk**) compatible with **ARCore** devices
- Reduced tracking jitter by implementing custom stabilization logic in **Unity**

Tech Stack:

Unity, C#, AR Foundation (ARCore/ARKit), URP, Input System, Git

HDREZKA RESTful API | 2023

Implemented Features:

- **User Management:** JWT-based registration, login, and secure profile management
- **Media Streaming API:** Endpoints for accessing movie metadata and streaming data
- **Scheduling:** Implemented functionality to manage movie showtimes and resource availability
- **Ticket Booking:** Designed endpoints for real-time seat selection and purchase processing

Achievements:

- Developed a full **RESTful API** using **ASP.NET Core**
- Implemented secure **JWT** authentication and authorization
- Integrated the **N-layer architecture** for clear separation of concerns
- Validated business logic by implementing unit tests with **xUnit**
- Applied **Repository Pattern** and **SOLID** principles for maintainability

Tech Stack:

- **Backend Framework:** ASP.NET Core
- **Database:** Entity Framework Core (with PostgreSQL)
- **Authentication:** JWT for user authentication and authorization
- **Unit testing:** xUnit
- **Other:** REST, N-layer architecture, Repository Pattern, OOP, SOLID

ADDITIONAL EXPERIENCE

Object-Oriented Programming with C# - Beginner to Advanced

Tod Vachev

Object-Oriented Programming Concepts of C#

LANGUAGES

English (C1), Ukrainian (Native)

EDUCATION

IGOR SIKORSKY KYIV POLYTECHNIC INSTITUTE (KPI)

Kyiv, Ukraine (2022-2026)

Bachelor of Software Engineering