

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#

General QA Course

TechMagic Academy

Practical skills in API testing, bug tracking, and software quality analysis.

LANGUAGES

English (C1), Ukrainian (Native)

EDUCATION

IGOR SIKORSKY KYIV POLYTECHNIC INSTITUTE (KPI)

Kyiv, Ukraine (2022-2026)

Bachelor of Software Engineering