

# Vlada Skulska

## C#/.NET Developer

Vinnytsia, Ukraine | Remote, Hybrid | [vlada.skulska@gmail.com](mailto:vlada.skulska@gmail.com)  
[www.linkedin.com/in/vlada-skulska](https://www.linkedin.com/in/vlada-skulska) <https://github.com/VladaSkulska>

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