Narek Karapetyan

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PROFILE

Software Engineer specializing in backend development, game engines, and scalable system design. Experienced with Unity, Unreal Engine, Entity Framework, and Clean Architecture principles. Passionate about building efficient, maintainable solutions and continuously improving technical skills.

EXPERIENCE

Freelance　　　　　　　　　　　　　　　　　　　　　**May 2025 - Present**

- Develop a first-person shooter prototype using Unreal Engine with C++.
- Implement core gameplay mechanics including shooting, enemy AI, and player movement.
- Optimize level design and performance to ensure smooth, responsive gameplay.
- Collaborate on game asset integration (models, animations, and effects) to enhance immersion.

Pet Project | Ft_transcendence　　　　　　　　　　**Jan 2025 - May 2025**

- Built a full-stack web-based multiplayer Pong game with TypeScript, NestJS, and React.
- Implemented user authentication, matchmaking, and real-time chat features.
- Integrated WebSockets for low-latency communication and smooth gameplay.
- Designed a responsive UI to ensure consistent experience across major browsers.

Game Developer | HendoGames　　　　　　　　　　**Jan 2024 - Jan 2025**

- Built game features with C#, Unity, and Unreal Engine.
- Implemented backend systems using Entity Framework and databases.
- Delivered updates on time using Clean Architecture principles.

Backend Developer | The Movement　　　　　　　　**Jun 2025 - Oct 2025**

- Contributed to the development of CRM and Marketplace systems using ASP.NET Core and Entity Framework Core.
- Designed and optimized RESTful APIs, implemented business logic, and integrated backend services with frontend applications.
- Handled data validation, improved code structure, and managed Git branching and environment configurations.

EDUCATION

42 Network　　　　　　　　　　　　　　　　　　　**2024 - Present**

Programming, Software Engineering

National Polytechnic University Of Armenia　　　　**2022 - 2024**

Bachelor's Degree in Computer Architecture

SKILLS

- C, C++, C#
- Entity Framework
- Unity, Unreal Engine
- OOP, DDD, Clean Architecure
- PostgreSQL, MySQL
- OS: Linux, Windows, MacOS
- CodeEditors: VS,VSCode,Vim
- Agile, Scrum
- GitHub, GitLab, Bitbucket

- Communication
- Time managment
- Teamwork
- Desire to learn
- Meeting deadlines
- Attention to details

LANGUAGES

- Armenian
- English
- Russian