Alexandru Man *Software Engineer*

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Profile

I am a passionate programmer with a strong drive for continuous learning and growth. I enjoy exploring new technologies, improving my problem-solving skills, and building efficient, modern software solutions. With experience across multiple languages and frameworks, I thrive in dynamic environments where I can learn from challenges, collaborate with others, and contribute to impactful projects.

Professional Experience

07/2024 – 08/2024 Cluj-Napoca	**DevOps Engineer Intern** *Accesa* Built and automated CI/CD pipelines while gaining hands-on experience with Docker and Kubernetes for containerization and orchestration.
03/2025 – 05/2025 Cluj-Napoca	**Full Stack Developer Intern** *Nexttech* Collaborated within a team to design and develop a web application for tracking and managing employees' skills, supporting efficient monitoring and organizational growth.

Education

10/2025 – Present Cluj-Napoca	**Master / Applied Computer Science in Complex Systems Engineering** *Technical University of Cluj Napoca* A program focused on applying advanced computer science to model, simulate, and optimize complex systems, with emphasis on high-performance computing. My master's thesis will study optimizing physics engines on GPUs to achieve faster and more accurate real-time simulations for applications in gaming, VR, robotics, and scientific computing.
10/2021 – 07/2025 Cluj-Napoca	**Bachelor / Systems engineering** *Technical University of Cluj Napoca* Graduated in July 2025 with a final grade of 10. For my bachelor's thesis, I designed and developed a custom game engine from scratch in C++, featuring a renderer and physics engine built independently. This project integrated the knowledge and skills I acquired throughout my four years of study.

Skills

Development & Programming ● ● ● ● ○
- Full-Stack Development
- Game Development

Software Engineering & Methodologies ● ● ● ● ○
- Agile & Scrum
- Software Architecture & Design Patterns
- Version Control & Collaboration (Git, GitHub, GitLab)

DevOps & Cloud ● ● ● ○ ○
- DevOps Practices & CI/CD
- Cloud Computing (AWS, Azure)
- Containerization (Docker, Kubernetes)

Other Technical Skills ● ● ● ○ ○
- Networking & Security Fundamentals
- Performance Optimization & Profiling
- UI/UX Principles