

# Mohamad Alzhor

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## Summary

Software Engineer building production-ready full-stack and AI-powered applications using .NET and Next.js. Experience includes launching a multi-tenant SaaS product with real users and developing RAG-based systems for practical business use cases.

## Experience

**Software Engineer** – ADA – Academic Digital Advisor – **Next.js, FastAPI** Aug 2025 – Present  
Lebanon

- Built and shipped full-stack features across database design, backend (FastAPI), and frontend (Next.js) for systems supporting ~1,800 undergraduate students
- Implemented audit logging system to support compliance requirements (FERPA/GDPR)
- Added caching and proxy layers to improve system performance and request handling
- Developed a RAG pipeline for chatbot features, including data ingestion, cleaning tools, and hybrid retrieval

**AI Engineer Contractor** – Ignizia.ai – **Next.js, TypeScript, GenAI, LangChain** Jan 2025 – April 2026  
Remote – US

- Identified AI workflow use cases in manufacturing through research and discussions with stakeholders
- Built RAG-based tools for supply chain and material sourcing to support decision-making
- Developed the initial platform MVP using Next.js with integrated AI components
- Collaborated with a US manufacturing client on a prototype for production capacity planning

**Founder & Lead .NET Engineer** – [LeenSchool](#) – **ASP.NET Core, React** May 2024 – Jan 2025

- Architected and launched a multi-tenant SaaS LMS using .NET and Clean Architecture
- Onboarded 3 K-12 schools as paying clients, serving 750+ students
- Built full-stack system including REST API, React PWA, and PostgreSQL database
- Implemented CI/CD pipeline with GitHub Actions, enabling faster iterative releases to a VPS

**.NET Engineer Intern** – [inmind.ai](#) (BMW Partner) – **ASP.NET Core** Jul 2024 – Aug 2024  
Beirut - Lebanon

- Built backend components as part of a .NET training program using Clean Architecture principles
- Recognized as a top performer, leading to placement at a partner startup (Ignizia.ai)

## Technical Skills

**Languages:** C#, TypeScript, SQL

**Backend:** ASP.NET Core, FastAPI, REST APIs

**Frontend:** Next.js, React

**AI:** RAG, LangChain, GenAI pipelines

**DevOps:** Docker, GitHub Actions, Linux, VPS

**Databases:** PostgreSQL

## Education

Lebanese American University Lebanon

B.E. in Electrical Engineering – University Honors Program (GPA: 3.65/4 with Distinction)

Sep 2021 - May 2025

Lebanon

## Achievements

Awarded the USAID Higher Education Scholarship – only 83 recipients nationwide

Ranked 15th out of 40,000 in Lebanese Baccalaureate (Score: 18.61/20)