

Nawar El Zein

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EXPERIENCE

Backend Track Apprenticeship

February – March 2026

Inmind Academy | Beirut - Hybrid

- Designed scalable backend services in ASP.NET Core applying Domain-Driven Design, and testing using xUnit.
- Implemented authentication and authorization with Keycloak including RBAC and ABAC access control.
- Applied DevOps practices such as structured logging, caching, observability, and container-ready service design.

Full-Stack Software Developer Intern

August – September 2025

IDS Fintech | Beirut - Remote

- Architected and delivered full-stack solutions with ASP.NET Core and React TypeScript.
- Implemented enterprise features: JWT auth, real-time SignalR notifications, and background jobs with Hangfire.
- Designed SQL schemas, configured logging (Serilog + Seq), health checks, and Swagger API docs.

TECHNICAL PROJECTS

Fleet Management Platform: Backend & Microservices | [GitHub](#)

Technologies: ASP.NET Core, DDD, Microservices, RabbitMQ, Keycloak, SignalR, PostgreSQL, Docker, xUnit

- Built Fleet & Trip microservices with DDD layering, enforcing vehicle/driver lifecycle and trip rules.
- Implemented real-time tracking with SignalR and event-driven cross-service communication via RabbitMQ.
- Secured APIs using Keycloak JWT authentication with RBAC/ABAC roles.
- Developed Notification Service microservice reacting to key events (license expiry, vehicle maintenance...)

Exchain: Money Transfer Platform | [GitHub](#)

Technologies: Laravel, React, MySQL, JWT, RBAC, Leaflet, PusherJS, Reverb, GitHub, Azure DevOps

- Led project as Scrum Lead, managing sprints, Git workflows, and repository structure.
- Architected core flows: agent onboarding, admin approval, and cash-in/cash-out workflows with audit trails.
- Implemented real-time notifications and live agent tracking using Reverb, PusherJS, and Leaflet maps.

Babel: E-Library Management System | [GitHub](#)

Technologies: .NET Core, React TypeScript, Entity Framework, SQL Server, Redis, SignalR, Hangfire, MailKit, QuestPdf

- Designed layered architecture with complex borrowing workflows and admin automation.
- Implemented real-time notifications, background jobs, and email/PDF reporting.
- Containerized full stack for scalable deployment, integrating logging (Serilog + Seq) and Redis caching.

EDUCATION

Bachelor of Science in Computer and Communication Engineering

September 2022 – **Expected June 2027**

Antonine University, Lebanon | **GPA: 89.898**

TECHNICAL SKILLS

Programming Languages: C#, JavaScript, TypeScript, Java, C++, Python, SQL, PHP

Backend: ASP.NET Core, Laravel, Node.js, Express.js, REST APIs, JWT Authentication, Keycloak, Swagger, xUnit

Frontend: React.js, Angular.js, TypeScript, Material UI, HTML5, CSS3

Databases & Caching: SQL Server, PostgreSQL, MySQL, MongoDB, Redis

DevOps & Deployment: Docker, Git, Azure DevOps, Health Checks

Architecture & Patterns: Microservices, Domain-Driven Design, Layered Architecture, MVC, OOP, Background Processing, Database Design

LANGUAGES

Arabic (native) | English (professional)