

# MOHAMMED NAFIA NADHIM

Full-Stack Software Engineer

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## PROFESSIONAL SUMMARY

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Full-Stack Software Engineer (Backend-First) specializing in building scalable, production-ready web applications using ASP.NET Core and modern frontend frameworks.

Strong experience in REST API design, authentication and authorization (JWT), database modeling, caching strategies, and Clean Architecture.

Built real-world systems involving transactional workflows, third-party API integrations, and performance optimization.

Focused on delivering reliable, maintainable software aligned with real business needs.

## TECHNICAL SKILLS

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### Backend Development:

ASP.NET Core, REST API Design, JWT Authentication & Authorization, Clean Architecture, Caching Strategies, Transactional Systems, Audit Logging

### Databases & Data:

SQL Server, PostgreSQL, Entity Framework Core, Database Design, Query Optimization

### Frontend Development:

React, Svelte, TypeScript, Responsive UI Design, API Integration

### Engineering Practices:

System Design, Performance Optimization, Third-Party API Integration, Git & GitHub

## PROJECTS

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### Rent-A-Ride - Full-Stack Car Rental Platform

- Designed and built a production-ready full-stack car rental system with a backend-first architecture using ASP.NET Core and Clean Architecture.
- Implemented secure REST APIs with JWT authentication, role-based authorization, caching, soft delete, audit logging, and pagination.
- Integrated a React frontend consuming backend APIs for a clean and responsive user experience.

### Cinema Booking & Management System - Full-Stack

- Developed a cinema booking system handling seat availability, concurrent reservations, and transactional consistency.
- Implemented double-booking prevention at application and database levels, with a cached backend-only IMDb API integration.
- Built a React-based booking flow for browsing movies, seat selection, and reservations.

### Library Management System - Backend-Only

- Built a backend-only library management system using ASP.NET Core Web API following Clean Architecture principles.
- Implemented JWT authentication without Identity, role-based authorization, custom middleware, soft delete, and audit logging.

### Invoice Management Mini App - Super Qi Ecosystem

- Developed an invoice generation and payment mini app within the Super Qi ecosystem used for real payment workflows using React.
- Integrated platform-specific APIs including getMyAuthCode(), myScan(), tredPay(), myPdfViewer(), and myDownload().
- Enabled end-to-end invoice flow: generation, sending, payment, and invoice history within Super Qi.

## EDUCATION

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### B.Sc. in Artificial Intelligence & Robotics Engineering

Al-Nahrain University - College of Engineering, Baghdad

Expected Graduation: 2028

## ACHIEVEMENTS & ACTIVITIES

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- 1st Place - ITS Hackathon 2025

NANO (AI OCR Platform): Co-developed an AI-powered Optical Character Recognition web application capable of extracting and digitizing text from images in real time, combining machine learning with a production-ready web interface.

**- 2nd Place - HUB200 Hackathon 2025 (Global Entrepreneurship Week)**

Dynamic Form Builder: Built a drag-and-drop form builder enabling users to create and configure custom web forms without coding, with a focus on flexible form logic and intuitive user experience.

**- Iraqi Young Leaders Exchange Program (IYLEP) - USA**

Selected participant in a competitive international leadership and entrepreneurship exchange program, collaborating with diverse teams and engaging in innovation-focused workshops and projects.

## LANGUAGES

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Arabic - Native

English (B2-C1) - Professional Working Proficiency