Omar Kadri

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SUMMARY

Full Stack Engineer specializing in **ASP.NET Core**, **Angular**, and modern web architectures, backed by 3+ years of commercial experience delivering production enterprise and cloud systems. Proven track record of building scalable full-stack platforms, RESTful APIs, and AI-driven solutions that cut manual effort by 70% and API costs by 45%.

EXPERIENCE

Freelance **2026**

Full Stack Engineer *Remote*

Hkeya-Sghira – AI-Powered Personalized Multilingual Storybook Platform

- Built an AI platform that creates personalized illustrated storybooks in Arabic and French and exports them as print-ready PDFs.
- Designed a reliable multi-step AI pipeline (story, characters, storyboard approval, illustrations, quality checks, PDF) with background workers and automatic crash recovery.
- Built an admin dashboard for monitoring jobs, provider health, and metrics, plus a public ordering flow with QR order tracking and RTL layouts.
- **Technologies:** Python 3.12, FastAPI, SQLAlchemy, Alembic, PostgreSQL, Next.js 16, React 19, TypeScript, Docker, XeLaTeX, Three.js, GSAP.

Huge Coders **Jul 2025 – Present**

Full Stack Developer (.NET, Angular, TypeScript, Python) *Fully Remote*

InPatient Care – Hospital Patient-Request & Bed Management System

- Built a hospital platform for managing patient requests and bed availability, with a clean, layered architecture and role-based access for each staff type.
- Designed the SQL Server database behind a bilingual (Arabic/English) request board and real-time bed tracking.
- **Technologies:** C#, ASP.NET Core 8, Entity Framework Core, Angular 20, TypeScript, SQL Server, Docker.

Sporant – Sports Management Platform (2026)

- Built a bilingual (Arabic RTL / English) sports management platform, a mobile app with a production backend, serving 13+ user roles.
- Delivered a live tactical board with real-time updates and secure wallet payments, using safe concurrent transactions and token-based login with refresh rotation.
- **Technologies:** React Native, Expo, TypeScript, Symfony 7.2, FrankenPHP, Caddy, Mercure, MySQL.

Tadil – On-Demand Tailoring Marketplace

- Architected a 5-language (RTL) tailoring marketplace with two APIs, an admin dashboard, and an iOS/Android app, covering a 10-state order lifecycle with dual couriers, live chat, and map-based routing.
- Engineered secure authentication with granular permissions, an automated commission and wallet ledger, and 3-D Secure card payments; Dockerized with CI/CD on GitHub Actions.
- **Technologies:** TypeScript, NestJS, Vue 3, Ionic, Capacitor, PostgreSQL, Prisma, Socket.IO, Docker, Nginx, MinIO/S3, Leaflet/Turf.js, GitHub Actions, Nx.

Flight Deck – Automated Ride-Booking & Operations Platform

- Built a real-time automation service that checks a ride-booking API about every 0.5 seconds, with automatic re-authentication and rate-limit handling.
- Created a monitoring dashboard, securely accessible over Tailscale.
- **Technologies:** Python, FastAPI, React 19, TypeScript, Docker Compose, Tailscale, HTTP/2, Google Sheets API.

Amicalia – Multi-Tenant SaaS Platform for Company Associations & Employee Clubs

- Built a multi-tenant SaaS platform where each association or employee club gets its own subdomain, with member, event, dues, and funds management.
- Enforced strict data isolation between organizations at the database level (row-level security), verified by automated tests.
- Delivered a trilingual (French/English/Arabic, RTL) app with email, username, and phone-OTP sign-in, plus an admin console for platform operators.
- **Technologies:** TypeScript, NestJS, Next.js, React, PostgreSQL, Drizzle ORM, Better Auth, Tailwind CSS, Turborepo, Docker.

Novobit Group GMBH **Nov 2023 – Jul 2025**
Full Stack Engineer *Tunis*

- Developed an AI-powered tool generating business applications from text prompts and Figma designs, cutting manual effort by 70%.
- Built and deployed a RAG-based AI assistant improving retrieval accuracy by 34% while reducing API costs by 45%.
- Increased domain-specific LLM accuracy by 28% via fine-tuning on a 1M+ record PostgreSQL dataset; delivered ERP customizations for enterprise clients (including Volkswagen) on Azure.
- **Technologies:** Python, FastAPI, React, Vite, TypeScript, PostgreSQL, TensorFlow, LLM Fine-Tuning, RAG, Docker, Azure.

CodeCooperation GMBH **Feb 2023 – Jun 2023**
Mobile Application Developer *Tunis*

- Built a cross-platform GPS tracking app for 500+ vehicles enabling real-time fleet oversight; architected features that boosted user engagement by 30%.
- **Technologies:** Flutter, Node.js, JavaScript, REST APIs, GPS/Maps SDKs, Git.

EDUCATION

ESTIAM – School of Applied Information Technology (France) **Sep 2023 – Jul 2025**
MBA, Data Solution Architecture & New Ways of Working

Private Higher School of Computer Engineering and Technology **Sep 2023 – Jul 2025**
Master's Degree, Data Science

Higher Institute of Computer Science – Tunisia (ISI) **Sep 2020 – May 2023**
Bachelor's Degree, Computer Science

SELECTED PROJECTS

AI Outreach Automation **2025**

- Built an AI-driven outreach system for a European classifieds marketplace using an LLM agent with context-aware replies, smart scheduling, and rate-limiting, boosting seller reply rates by 30% across 500+ daily conversations.
- **Technologies:** Python, FastAPI, LLM Agents, RAG, Prompt Engineering, REST APIs.

Custom Odoo ERP Solution **2022**

- Customized Odoo ERP covering sales, inventory, and reporting; built a custom Python module to automate end-to-end order fulfillment.
- **Technologies:** Python, Odoo ERP, Odoo ORM, PostgreSQL, XML.

SKILLS & LANGUAGES

- **Backend & Frontend:** C#, ASP.NET Core 8, Entity Framework Core, Angular 20, TypeScript, NestJS, Vue 3, React 19, Vite, Python (FastAPI), React Native, Ionic/Capacitor, PHP (Symfony 7.2), Node.js, Flutter
- **Databases, Cloud & DevOps:** SQL Server, PostgreSQL, MySQL, Prisma, Azure, Docker, Nginx, MinIO/S3, GitHub Actions, Nx, Socket.IO, Mercure SSE, FrankenPHP, Caddy, Git, Linux
- **Spoken Languages:** Arabic (Native) | English (C1) | French (B2) | German (A2)