

AJIMI OMAR

Backend Developer | Node.js · Express · MongoDB

+216 42 694 260 · ajimiomar.aa@gmail.com · Tunis, Tunisia

GitHub: github.com/Omar-411 Portfolio: omar-ajimi.vercel.app

Open to remote & on-site opportunities (relocation-friendly)

PROFILE

Backend-focused Full-Stack Developer with hands-on experience designing and building RESTful APIs, database schemas, and server-side architecture using Node.js, Express.js, and MongoDB. Comfortable owning the backend of a product end-to-end — from data modeling to secure API integration — while also able to contribute across the stack with React.js when needed. Rigorous, solutions-oriented, and quick to pick up new technical domains (recent work includes blockchain/Web3 backend integrations). Looking to bring strong fundamentals in server architecture and API design to a product engineering team.

PROFESSIONAL EXPERIENCE

Backend Developer (Graduation Internship) | Dar Blockchain, Tunis

Jan 2025 – May 2025

- Designed and implemented the backend architecture (Node.js, Express.js, MongoDB) for a cross-chain NFT bridge, handling secure token-transfer logic between Ethereum and Massa networks.
- Built and secured RESTful APIs to coordinate transaction validation and state synchronization across two independent blockchain networks.
- Integrated Web3 libraries and Solidity smart contracts into the backend layer to ensure reliable, auditable transaction processing.
- Engineered the communication layer responsible for interoperability between the two chains, focusing on data consistency and fault tolerance.

Full-Stack Developer Intern | Lightency, Tunis

May 2024 – Sep 2024

- Developed backend services and smart contract logic (Solidity) for a crowdfunding platform on Ethereum, including contract security and data validation.
- Built REST endpoints to connect the React.js frontend to on-chain data, ensuring reliable state updates and error handling.
- Explored core blockchain/dApp architecture principles as part of the team's first decentralized application build.

PERSONAL PROJECTS

Stouchi — AI-Powered Personal Finance Platform | Personal Project

2025 – Present

- Built the backend for a full-stack budgeting app localized for Tunisian users: a Node.js + Express REST API with MongoDB/Mongoose, Zod request validation, and JWT access/refresh token authentication.
- Designed an AI financial assistant by integrating the Anthropic API, dynamically constructing each user's system prompt from their real income, spending, and savings data to ground responses in actual financial context.
- Built the React Native mobile app (Redux Toolkit + RTK Query, NativeWind) for expense/income tracking, category breakdowns, and savings-goal progress, with automatic token refresh handling.
- Implemented full localization (Tunisian Arabic, French, English) with RTL support and Dinar-first defaults across mobile app and a Next.js marketing landing page.

Gamify — Digital Marketplace Platform | Personal Project

Jan 2022 – Apr 2022

- Architected the backend of a high-performance e-commerce platform (inspired by G2A) for exchanging digital goods (game keys, licenses), using Node.js and Express.js for secure, scalable RESTful APIs.
- Designed the data layer with MongoDB and Mongoose ORM for flexible, scalable storage of listings, transactions, and users.
- Containerized the application with Docker and set up automated CI/CD deployment pipelines to Vercel.

- Built the frontend with React.js, Redux Toolkit, and React Query to consume the backend APIs efficiently.

Convo — Real-Time Chat Application | Personal Project

Apr 2021 – Aug 2021

- Built the backend for a real-time chat app on the MERN stack, implementing low-latency bidirectional messaging with Socket.IO.
- Designed the server-side event architecture handling instant message delivery, connection state, and multi-user rooms.
- Developed a responsive React.js + Tailwind CSS frontend to consume the real-time backend.

TECHNICAL SKILLS

Backend: Node.js, Express.js, NestJS, RESTful API design, WebSockets/Socket.IO

Databases: MongoDB, Mongoose ORM, Prisma, database schema design

Languages: JavaScript (ES6+), TypeScript, Solidity, HTML5, CSS3

Frontend: React.js, Next.js, Redux Toolkit, React Query, Tailwind CSS

DevOps & Tools: Git, Docker, CI/CD, Vercel

Blockchain (secondary): Smart contracts, Ethereum, Web3.js/Ethers.js

EDUCATION

Bachelor's Degree in Computer Science (Software Engineering) | Institut Supérieur d'Informatique du Kef 2020 – 2025

- Graduated with Honors (Mention A+)

Baccalaureate in Computer Science | Lycée Khairreddine, Ariana

2016 – 2020

LANGUAGES

Arabic: Native

French: Fluent

English: Professional working proficiency