

Alaa Eddine Mastouri

Full-Stack TypeScript/JavaScript Developer

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PROFESSIONAL SUMMARY

Full-Stack TypeScript/JavaScript Developer with 6+ years of experience building scalable enterprise web applications. Expertise in Angular and React for frontend development, with solid backend experience using NestJS and Express.js. Skilled in designing RESTful APIs, implementing state management with NgRx and Redux, and delivering reliable solutions backed by PostgreSQL and MongoDB.

TECHNICAL SKILLS

- **Languages:** TypeScript, JavaScript, SQL, HTML5, CSS3
- **Frontend:** Angular (8–20), React 18, RxJS, jQuery, Jest
- **State Management & Architecture:** NgRx, Redux, Microfrontends (Module Federation)
- **Backend & Databases:** NestJS 10, Express.js, REST APIs, Knex.js, PostgreSQL, MongoDB
- **UI & Data Visualization:** Angular Material, PrimeNG, PrimeReact, AG Grid, Chart.js, Apex-Charts, SurveyJS, SweetAlert2, Figma
- **Tools & Practices:** Git, Nx Monorepo, Jira, UML

PROFESSIONAL EXPERIENCE

Full Stack TypeScript/JavaScript Developer January 2026 – Present
YELLOW SYS *Tunis, Tunisia*

- Developed and enhanced an AI-powered chatbot using React (frontend) and NestJS (backend), adding new conversational features and improving system scalability and stability.
- Integrated Agentic AI to enable autonomous workflows, improving performance and response times for enterprise users.

Full Stack TypeScript/JavaScript Developer November 2023 – December 2025
ADDINN GROUP *Tunis, Tunisia*

- Improved performance and stability of an enterprise fabric management system using React and NestJS.
- Designed and implemented RESTful APIs with NestJS, Knex.js, and PostgreSQL, ensuring scalability and data consistency.
- Automated real-time inventory synchronization with NestJS Scheduler and cron jobs, reducing manual intervention.
- Developed reusable Angular components within a microfrontend architecture (Nx Monorepo and Module Federation).
- Contributed to frontend-backend architecture decisions, conducted code reviews, and mentored junior developers.
- Delivered an Angular 16 parking management application supporting 40+ facilities.

Frontend Developer October 2019 – October 2023
VERMEG *Tunis, Tunisia*

- Designed and developed enterprise-grade Angular modules for a collateral management platform serving Wells Fargo, ensuring optimal usability, performance, and reliability.

- Developed Angular frontend features for an insurance platform for Generali, delivering a responsive, user-friendly interface with robust application performance.
- Implemented scalable state management solutions using NgRx in complex enterprise applications.
- Developed reusable UI components and contributed to a shared component library documented with Storybook.
- Collaborated with cross-functional Agile teams to deliver new features and improve overall UX.
- Upgraded and stabilized enterprise applications from Angular 8 to Angular 14, adopting modern framework features.
- Implemented Node.js middleware and REST APIs to support frontend applications.

PROJECTS (FREELANCE)

Frontend Developer

June 2024 – August 2024

Car/Taxi Booking Application

- Delivered a responsive web app for pre-booking airport taxis and rental cars, supporting web (desktop/tablet), mobile web, and kiosk terminals.
- Built a user-friendly kiosk interface and added interactive features using jQuery.
- Used Bootstrap and CSS Media Queries for adaptive layouts across devices.
- Hosted live at Cairo Airport for real-world user access.

Frontend Developer

June 2025 – July 2025

EDUVR - Online Learning Platform

- Developed a responsive React landing page optimized for desktop, tablet, and mobile web, integrating interactive animations and 3D GLTF models.
- Delivered a production-ready solution for the startup's online learning platform.

EDUCATION

Computer Science Engineering

September 2019 – October 2023

Sésame University

Tunis, Tunisia

Bachelor of Computer Management

September 2016 – May 2019

High Institute of Management

Tunis, Tunisia

LANGUAGES

- Arabic – Native
- English – Professional
- French – Professional