

Assaid Bouhenni

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Professional Summary

Full Stack Developer specializing in building scalable web applications using **Golang, TypeScript, React, Next.js, and Nest.js**. Experienced in architecting RESTful APIs, integrating SQL/NoSQL databases, and engineering secure, maintainable backend systems. Proficient in **Docker, Git, CI/CD**, and Linux environments, leveraging strong DevOps practices to deliver secure, efficient, and production-ready solutions.

Technical Skills

Frontend	React, Next.js, TypeScript, JavaScript (ES6+), HTML5, CSS3, Tailwind CSS, Redux, TanStack Query, Material UI
Backend	Node.js, Nest.js, Express.js, Golang (Gin, Chi), RESTful APIs, Microservices, OpenAPI
Databases	PostgreSQL, MongoDB, MySQL, Redis, Elasticsearch, Milvus, Prisma, TypeORM, GORM, SQLite
DevOps & Tools	Git, Docker, Docker Compose, CI/CD, Nginx, Linux, Postman, Virtual Machines

Experience

Full Stack Developer, AiUnivers – Algiers

Developing scalable enterprise solutions for local companies using React, Next.js, Nest.js, TypeScript, and Gin-Gonic. Responsible for full-cycle development — from API design and database modeling to frontend integration — ensuring performance, scalability, and reliability.

Software Engineer (Intern), Radical AI – Remote

Contributed to **ReX**, an AI-powered career coaching platform, by implementing key features using OpenAI, Node.js, and React. Enhanced API integrations and improved UI responsiveness across the application.

Front-End Developer (Contractor), Barbaros – Hybrid

Engineered a real estate booking platform using the **MERN stack**, featuring advanced filtering and booking functionalities. Optimized a fully responsive UI, improving load times and enhancing the overall user experience.

Projects

Enterprise POS Platform (Telecom Operator)

- Architected a comprehensive Point-of-Sale management system currently serving **10k+ daily users** in production for over a year.
- Implemented a secure, scalable backend with **role, permission, and region-based access control** using **React** and **Express.js**.
- Developed rich, customizable statistical dashboards with multi-criteria filtering and advanced data export options.
- **Stack:** React, Express.js, PostgreSQL, Redis, JavaScript, Material UI, Docker.

Smart SIM Allocation System (Telecom Integration)

- Built a high-performance SIM management platform featuring real-time data updates via **WebSockets** and **Server-Sent Events**.
- Implemented advanced caching and state synchronization using **Next.js** and **TanStack Query** for a seamless, responsive UI.
- Designed interactive dashboards with complex filtering and optimized queries powered by **Elasticsearch**.
- Deployed a scalable infrastructure using **Docker** and **Kubernetes** for high availability and performance.
- **Stack:** Java Spring Boot, Next.js, TypeScript, Redis, Elasticsearch, Material UI, Docker, Kubernetes.

AI Identity Verification Platform

- Engineered a scalable **Nest.js** backend integrating AI microservices for **face detection**, **liveness**, **OCR**, and **NFC** processing.
- Implemented multi-level permission handling and JWT-secured access across distributed client servers.
- Integrated facial embeddings into **Milvus** for high-performance vector similarity search and identity verification.
- Enhanced observability with **Elasticsearch** logging and automated deployment pipelines using **Docker Compose** and CI/CD.
- Developed a **Next.js TypeScript dashboard** providing analytics, role management, and real-time monitoring for administrators and clients.
- **Stack:** Nest.js, FastAPI, Redis, Milvus, Elasticsearch, Docker, PostgreSQL, Prisma, Next.js, CI/CD.

Multi-Store E-commerce Management System

- Built a **Nest.js**-based platform for managing multiple online stores with centralized product, order, and user data.
- Integrated **Redis caching**, **Prisma ORM**, and secure JWT authentication for robust role-based access control.
- **Stack:** Nest.js, React, TypeScript, PostgreSQL, Redis, Docker.

BrilexDz Product Showcase Platform

- Developed a React-based product showcase platform for an Algerian hygiene company, featuring global state management via Context API.
- Designed an intuitive UI using Tailwind CSS and implemented product filtering by categories such as disinfectants and insecticides.
- **Stack:** React, Tailwind CSS, Vite, Email.js.

Education

Master's Degree in Engineering, Université Saad Dahleb Blida 1

Bachelor's in Renewable Energy, Université Saad Dahleb Blida 1

Languages

English: Fluent | **French:** Intermediate | **Arabic:** Native