

YASSINE AYAOU

Full-Stack Developer

Contact

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Professional Summary

Results-driven Full-Stack Developer with **5+ years** of experience architecting and delivering web applications from concept to production. Specialized in the **Node.js ecosystem** with expertise in Next.js, PostgreSQL, and containerized deployments. Proven track record of translating complex business requirements into scalable, maintainable solutions while working independently with international clients.

Core Competencies

Backend	Frontend	Mobile & DevOps
Node.js / Express / NestJS	Next.js (App Router)	Expo / React Native
PostgreSQL / Prisma ORM	React / TypeScript	Docker / Docker Compose
REST API Design	Tailwind CSS / Shadcn UI	VPS Deployment
Domain Driven Design (DDD)	React Hook Form	Git / GitHub
Server Actions	Framer Motion	Auth.js

Professional Experience

Freelance Full-Stack Developer

Self-Employed — 2019 - Present

Delivering end-to-end web solutions for international clients, from initial concept through deployment and ongoing maintenance.

Key Responsibilities & Achievements:

- Architected and developed full-stack applications handling complete product lifecycles

- Deployed and maintained production environments using Docker on VPS infrastructure
- Collaborated directly with clients to transform business ideas into technical specifications
- Made autonomous architectural decisions ensuring long-term scalability and code quality
- Built lasting client relationships through reliable delivery and post-launch support

Tech Stack: Node.js Express PostgreSQL Next.js React Tailwind CSS Docker

Research Developer (*Remote*)

BlueRidge — March 2018 - January 2019

Developed a real-time 3D reconstruction system that generates three-dimensional models from video input as users capture objects from multiple angles.

Key Contributions:

- Researched and implemented cutting-edge algorithms from academic papers on 3D reconstruction and computer vision
- Engineered core modules for real-time point cloud generation and mesh reconstruction
- Optimized processing pipelines to achieve real-time performance on consumer-grade hardware

Tech Stack: Computer Vision 3D Reconstruction Real-time Processing C++ Python

Research Developer (*Remote*)

BlueRidge — June 2017 - March 2018

Built an automated geometry analysis system for shoe last models used in footwear manufacturing, extracting precise measurements from 3D scans.

Key Contributions:

- Developed algorithms for automatic sole detection and boundary extraction from 3D mesh data
- Implemented heel region identification and geometric feature extraction
- Created analysis pipelines that significantly reduced manual measurement time

Tech Stack: 3D Geometry Processing Algorithm Development CAD Analysis Python

Current Project

Tourism Tips Management Application

Full-Stack Developer — *Ongoing*

Building a comprehensive tips management platform for a tourism agency, managing the complete product lifecycle from requirements gathering to deployment.

Highlights:

- Implementing **Domain Driven Design** to address complex business logic and scalability requirements
- Developing a responsive **web dashboard** (Next.js) for agency management
- Building a **mobile application** (Expo) for field staff

Tech Stack: Node.js Next.js PostgreSQL Docker Expo React Native

Education

Master's Degree in Computer Science

Faculty of Sciences, Sidi Mohamed Ben Abdellah University

Fez, Morocco — 2016

Combining rigorous academic foundations with self-taught adaptability to solve complex technical challenges.

Languages

Language	Proficiency
Arabic	Native
English	Professional
French	Professional

Key Achievements

- ✓ Successfully delivered **multiple freelance projects** from concept to production
- ✓ Built deep expertise in the **modern JavaScript ecosystem** through continuous learning since 2018
- ✓ Developed strong **client communication skills**, bridging business needs and technical solutions
- ✓ Established a reputation for **reliability** and providing ongoing project support