Nour Bagane *Full Stack Engineer*

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SUMMARY

Software Engineer and AI Engineer with 5+ years of experience building scalable full-stack web applications and AI-powered solutions using React, Node.js, Python, and cloud technologies, delivering high-performance products from concept to production.

EDUCATION

09/2022 – 09/2024
Tunis, Sousse
EPI Digital School, Master's Degree in Software Engineering

09/2021 – 06/2022
ISIM Sfax, Master's Degree in Digital Technologies for Health Care (AI)

PROFESSIONAL EXPERIENCE

07/2022 – Present
Boston, USA (Remote)
Software Engineer, Retain Health
- Shipped a secure video library using **AWS S3** signed URLs and **MySQL** triggers to enforce data integrity and automate workflows.
- personalized routines and recommendations across web and **React Native** mobile.
- Built reusable **AngularJS** services with dependency injection, reducing redundant API calls and improving frontend performance by **50%+**.
- Developed **Express.js** middleware for token-based authentication and activity logging.
- Developped **React Native** feature for our mobile application.
- Delivered production features from Figma designs, backed by automated testing (Mocha, Chai, Supertest, Karma, Jasmine, Protractor).

12/2025 – 04/2026
Delaware, USA (Remote)
Founding Engineer, Greensand AI
- Owned the full technical stack as the sole engineer for an AI-powered contract analysis platform.
- Designed LLM pipelines with Pydantic AI and LangGraph to automate multi-step contract analysis workflows.
- Developed a RAG system with hybrid search and Cohere reranking for accurate retrieval across long legal documents.
- Implemented real-time SSE streaming via Redis for responsive, token-by-token AI outputs.
- Built the full-stack interface in React and Django, including the contract viewer, dashboard, and upload workflows.
- Defined a canonical contract schema covering MSAs, SOWs, SLAs, AMCs, and warranties to standardize downstream processing.

06/2023 – 01/2026
Freelance Web Developer, Upwork
- Delivered **6 full-stack web** projects with **5-star client** ratings and on-time delivery across all assignments.
- Built custom booking systems and high-converting landing pages for clients across multiple industries, reducing client workload by up to **40%**.

PROJECTS

06/2024 – 01/2025
Zainspot, Subscription-Based E-commerce Platform for Businesses
- Architected a scalable platform using **Next.js, NestJS, MySQL, Stripe, and AWS**, enabling entrepreneurs to purchase virtual office locations worldwide and manage their company remotely from a single dashboard.
- Implemented automated workflows for document verification, bank account creation, and business email provisioning, accelerating user onboarding and eliminating manual operations.
- Integrated **multi-currency subscription payments** via Stripe alongside secure role-based authentication and dynamic access management.

05/2025 – 09/2025
MenuMate, Digital Menus and Online Ordering for Restaurants and Cafes
- Built a SaaS platform for restaurants with digital menus and QR code integration, enabling owners to update menus instantly and cut printing costs by 70%.
- Designed the system architecture and developed an interactive menu/order workflow, reducing waiting time and order errors by 40%.
- Delivered an SEO-friendly landing page, boosting site visibility and helping early partner restaurants attract 30% more online orders.

SKILLS

Frond-End Development
- HTML, CSS, JavaScript, TypeScript, Next.js, React, React Native, Tailwind CSS, AngularJS, Angular

Back-End Development
- Node.js, Express.js, NestJs, MySQL, PostgreSQL, MongoDB, Firebase, Supabase, AWS, Git, GitHub, Linux, Hostinger, GoDaddy, Python, Django, LangGraph, Pydantic AI

CERTIFICATES

- JavaScript Foundations Professional Certificate By Mozilla

LANGUAGES

Arabic

English
C1, IELTS

French

Italien
B2 Level