

MOHAMED SAOUAB

Full Stack Developer

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PROFILE

Experienced Full Stack Developer with **2+ years** of expertise in building scalable web applications using **TypeScript**. I specialize in **route optimization** and have a strong track record of delivering high-performance solutions in Agile environments. Proven success in full-stack development (React, Angular, Node.js, NestJS), optimizing database retrieval times by **60%**, and stabilizing E2E testing pipelines (Cypress) [new info]. Expert in containerization (Docker) and integrating complex AI/analytics for high-impact products in **Legal Tech, Healthcare, and Routing**

EDUCATION

Software engineering, 1337 - Um6p (42 Network)  08/2021 – present
Khouribga, Morocco

PROFESSIONAL EXPERIENCE

Front-end Engineer, Veltiston AI 07/2024 – present
Ben Guerir, Morocco

- Develop user-facing, high-impact products and custom AI/analytics solutions across routing, healthcare, and legal sectors for a global group with offices in Athens, Boston, and Ben Guerir. Collaborate on enterprise-level solutions, including working alongside Dynamic Ideas (MIT-founded Operations Research firm).
- Led front-end implementation for a sophisticated **Legal Tech Platform** to assist legal professionals with document comparison, risk assessment, and receiving AI-generated suggestions.
- Contributed to developing advanced **Healthcare Scheduling Software** (in partnership with H2O) for hospitals, focusing on creating user-friendly tools for nurse staffing and operating room optimization.
- Developed a robust **Routing Optimization** platform (in partnership with AlphaRoute) for large-scale student transportation, improving efficiency and supporting sustainability.
- Implemented the **NDSP project** for the MBTA/MTA public transit authorities.
- Significantly improved the stability and reliability of the AlphaRoute Web Frontend by streamlining E2E tests using **Cypress** with **Angular**, increasing **passing tests from 108 to 523** and reducing nightly failures from 349 to 246

Freelancer Full-stack developer, MasteryGPS  02/2024 – present | Morocco

- Engineered a real-time machine tracking system using React and Node.js, monitoring 500+ devices with 99.9% uptime.
- Developed an automated data collection system using Python (BeautifulSoup/Selenium), reducing manual data entry by 85%.
- Built a proactive server monitoring system with email/Discord alerts, achieving 95% early incident detection.
- Optimized database queries and implemented caching, resulting in 60% faster data retrieval times

Full-Stack Developer Intern, alpha10X  09/2023 – 03/2024
Ben Guerir, Morocco

- Led the development of 3 major features using Angular and NestJS, contributing to a 25% increase in user engagement.
- Designed and implemented custom data visualization components using HighCharts, improving data interpretation efficiency by 40%.
- Collaborated with cross-functional teams in an Agile environment, participating in daily stand-ups and sprint planning.
- Developed RESTful APIs with Neo4j database integration, handling 10,000+ daily requests with 99.9% uptime.

SKILLS

Language: TypeScript - C - Cpp

Web: ReactJs - NextJs - Angular - NodeJs - ExpressJs - Nestjs - PostgreSQL - Neo4J

Mobile: React Native

Tools: Docker - Git - GitLab - Azure DevOps - Jira

Testing: Cypress

LANGUAGES

English

Arabic