

YASSINE ECHAMKH

Junior Software engineer



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PROFESSIONAL SUMMARY

Software Engineer specialized in Full Stack Javascript , proficient in Next.js, NestJS, MongoDB, and PostgreSQL. Strong experience in designing high-performance APIs and integrating distributed systems following best practices (testing, CI/CD). Independent and detail-oriented, I adapt quickly to agile and collaborative environments.

TECHNICAL SKILLS

- **Web Development :** React.js, NestJS, RESTapi,
- **Databases :** PostgreSQL, MySQL, MongoDB.
- **Testing & Quality :** Jest, Postman, ESLint
- **DevOps & Deployment :** Docker, AWS (EC2, S3), CI/CD
- **Programming :** TypeScript,
- **Tools and Methodologies :** Git, Linux, Scrum / Agile

PROFESSIONAL EXPERIENCE

Backend Developer

Oct. 2025 – Present | TechCo (Casablanca, Morocco)

- Built the backend for Iron Wheels, a logistics platform for assigning orders to drivers, tracking their status, and managing fleet operations.
- Developed real-time order assignment and driver updates using a custom WebSocket adapter and integrated FCM push notifications for mobile alerts.
- Implemented core services including order dispatching, driver management, notification service, PDF report generation, and secure authentication/role-based access.

Backend Developer (TypeScript / NestJS)

Feb. 2025 – May 2025 | Tertalink (France, Remote)

- Developed and maintained robust and modular RESTful APIs.
- Applied Domain-Driven Design (DDD) principles.
- Integrated PostgreSQL using Prisma ORM.
- Ensured validation and security of backend/frontend data exchange.
- Wrote unit and integration tests using Jest.
- Collaborated in an agile environment (daily meetings, sprints).

Full Stack Developer Intern (MERN)

Feb. 2024 – Jun. 2024 | ENERGIEDIN (Agadir, Morocco)

- Developed an online legal consultation platform.
- Designed and implemented the backend with Express.js and MongoDB and frontend with React.js.
- Integrated a Machine Learning model (Python) to classify client reviews with over 90% accuracy.
- Deployed the project using Docker containers.
- Wrote unit and integration tests with Jest

PERSONAL & FREELANCE PROJECTS

AtlasTawjih

- A web platform for centralized and automated management of applications to major schools and universities. (Built with Nest.js, Next.js, PostgreSQL)

E-learning Platforme

- A web-based learning platform using Next.js and YouTube API, enabling students to access interactive IT courses via video content.

School Bus Tracking

- A web and mobile app for real-time tracking of school buses to improve student safety, integrating Google Maps API, developed with Express.js, Next.js, React Native, and MongoDB.

EDUCATION

Master's Degree in Artificial Intelligence and Software Engineering

September 2022 – June 2024

Faculty of Science and Technology, Marrakech

LANGUAGES & CERTIFICATIONS

- **Languages:** Arabic, French, English
- **Certifications:**
 - Docker Foundations Professional Certificate (Docker ,Inc)
 - AWS Certificate (Orange Digital Center)
 - Career Essentials in GitHub Professional Certificate (GitHub)