MOHAMED MEROUANE

Full-Stack Developer | React, Next.js, TypeScript, Node.js, Django

Final-year engineering student (ENSIASD) — 6-month internship from January 2027

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PROFILE

Full-stack developer in the final year of an engineering degree (Information Systems, ENSIASD), with **six professional experiences**: enterprise applications shipped to production, Web3 e-commerce, real-time platforms and AI-driven automation, from front end (React, Next.js, TypeScript) to back end (Node.js, NestJS, Django) and deployment (Docker, Kubernetes, CI/CD). Looking for a **6-month full-stack development internship**, ideally leading to a full-time role.

EDUCATION

Engineering Degree (MSc eq.) — Management & Governance of IS — ENSIASD, Taroudant *2024 – present*
Key courses: Software engineering, Databases, AI & Machine Learning, ERP systems, Business Process Management.

DUT in Computer Science (2-year technical degree) — EST Essaouira *2022 – 2024*

PROFESSIONAL EXPERIENCE

Full-Stack Developer & AI Automation Intern — EtudiaLab, Morocco *05/2026 – 07/2026*

- Designed and built the full architecture of **EduTrack**, a school management platform, **on my own**: **3 web apps and 1 mobile app** (Django REST Framework, React/Vite, PostgreSQL, REST APIs).
- Set up AI-based automation workflows; delivered Figma mockups, UML diagrams, specifications, tests and documentation, working in Agile with CI/CD.

Web3 & Blockchain Developer (Freelance) — 44you Agency *12/2024 – 06/2026*

- Built a complete multiplayer game for an agency client and its integration with the **XRPL** blockchain: social and room system, items and furniture, on-chain features (Next.js, NestJS, Prisma, Docker).
- Ran the project independently, from the client brief to delivery.

Full-Stack Developer Intern — Abouelabbas Services, Marrakech *06/2025 – 08/2025*

- Designed and built a **Web3 e-commerce platform**: Next.js front end, NestJS back end with Prisma, crypto payments via MetaMask and a smart contract, role management.
- Containerized the application with **Docker** and automated delivery with **GitHub Actions** (CI/CD).

Full-Stack Developer Intern — Stryve Solution *04/2024 – 06/2024*

- Designed and built an **employee tracking** web application, from requirements gathering to delivery.

Android Mobile Developer Intern — Flawko, Marrakech *09/2023 – 12/2023*

- Developed Android applications in Java in collaboration with the design team.

Full-Stack Developer Intern — Marsa Maroc (Port Authority), Agadir *06/2023 – 08/2023*

- Built features for enterprise web applications (React.js, NestJS, TypeScript, Prisma, PostgreSQL) shipped to production; took part in code reviews and architecture discussions.

PERSONAL PROJECTS

Kubernetes Delivery Platform (CI/CD, IaC, observability) — Kubernetes, Terraform, GitHub Actions *2026*

- 5-stage GitHub Actions pipeline (tests, validation, Trivy security scan, publishing, Kubernetes deployment) with a zero-downtime deployment check; Terraform-provisioned cluster, Prometheus and Grafana monitoring.

MemeRace — Node.js, PostgreSQL, Redis, Socket.io, Docker *2025*

- Real-time multiplayer racing game with a provably fair mechanism (HMAC-SHA256) and Solana wallet integration.

SKILLS

Front end: React.js, Next.js, TypeScript, JavaScript, HTML5, CSS3, Tailwind CSS, Vite
Back end & APIs: Node.js, NestJS, Express.js, Python, Django, Django REST Framework, Java, REST APIs, WebSocket (Socket.io)
Databases: PostgreSQL, SQL, MongoDB, Redis, Prisma ORM, relational database modeling
DevOps & Cloud: Docker, Kubernetes, Terraform, GitHub Actions, CI/CD, Prometheus, Grafana, AWS, Git, Linux
Security & integration: SSO, OAuth 2.0, OpenID Connect, Microsoft 365 ecosystem
AI & methods: LLM integration, AI-driven automation, Agile (Scrum, Kanban), testing, code reviews, UML, Figma
Soft skills: autonomy (built EduTrack alone), teamwork (code reviews), client relations (freelance projects)
Certifications: Meta Front-End Developer, Meta Back-End Developer, IBM Blockchain Foundation Developer, IBM Blockchain Essentials, Blockchain Basics (University at Buffalo), Bitcoin and Cryptocurrency Technologies (Princeton)

LANGUAGES & INTERESTS

Languages: Arabic (native), French (professional), English (professional)
Interests: Freelance developer on Fiverr (Level 2 seller), Web3 & blockchain, game development, motorcycling