

MOHAMED MEROUANE

Full-Stack Software Engineer | React, Next.js, TypeScript, Node.js, Python

Final-year engineering student (MGSI, ENSIASD) | 6-month end-of-studies internship from January 2027

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SUMMARY

Full-stack developer in the final year of an engineering degree (Information Systems, ENSIASD) with **five professional experiences**: production enterprise web apps, real-time platforms, blockchain integrations 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 end-of-studies internship in software engineering**.

EDUCATION

Engineering Degree, Management & Governance of Information Systems (MGSI) | 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 & AI Automation Intern | EtudiaLab, Morocco | 04/2026 - 06/2026

- Designed and built on my own the full architecture of **EduTrack**, a school management platform: **3 web apps and 1 mobile app** (Python Django REST Framework back-end, React and Vite front-end, REST APIs).
- Built AI-based automation workflows to streamline internal processes.
- Delivered Figma mockups, UML diagrams, specifications, tests and technical and user documentation, working in Agile with CI/CD.

Web3 & Blockchain Developer (Freelance) | 44you Agency | 12/2024 - 06/2026

- Developed a complete game for an agency client and its integration with the **XRPL (XRP Ledger)** blockchain: social and room system, item and furniture system, on-chain features.
- Ran the engagement independently, from requirements to delivery.

Full-Stack Developer Intern | Marsa Maroc (Port Authority), Agadir | 06/2025 - 09/2025

- Developed and maintained enterprise web applications with **React.js, NestJS, TypeScript, Prisma and PostgreSQL**, with responsive cross-browser interfaces.
- Took part in code reviews and architecture discussions; shipped features to production with cross-functional teams.

Full-Stack Developer | Stryve Solution, Agadir | 04/2024 - 07/2024

- Designed a Blockchain/Web3 e-commerce platform: architecture, data model, business workflows, smart-contract secured transactions and technical documentation.

Android Developer Intern | Flawko, Marrakech | 09/2023 - 12/2023

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

PERSONAL PROJECTS

Arcade Gaming Blockchain Platform | Next.js, NestJS, Prisma, Docker, AWS, Sui | 2025 - 2026

- Multiplayer gaming platform: scalable back-end, mobile controls, smart-contract integration.

Anime Racers | Node.js, PostgreSQL, Redis, Socket.io, Docker | 2025

- Real-time application with a provably fair mechanism (HMAC-SHA256), Solana wallet integration and containerized deployment.

TECHNICAL 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 data modeling

DevOps & Cloud : Docker, Kubernetes, Git, GitHub, CI/CD, AWS, Linux

Security & integration : SSO, OAuth 2.0, OpenID Connect, Microsoft 365 ecosystem

AI & methods : LLM integration, AI-driven automation, AI-assisted development, Agile (Scrum, Kanban), testing, code reviews, UML, Figma

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 & ACTIVITIES

Languages : Arabic (native), French (professional), English (professional)

Activities : Freelance developer on Fiverr (Level 2 seller), Web3 & blockchain watch, game development, motorcycling