

AYOUB CHAHLAL

Full-Stack & AI Developer

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ABOUT

Full-Stack & AI Developer with a strong background in applied mathematics. Specialized in building scalable web applications, RAG architectures, and high-performance autonomous agents using Next.js, TypeScript, and Python.

SKILLS

Languages: TypeScript/JavaScript, Python, SQL

AI & Agents: OpenAI/Claude APIs, Vercel AI SDK, LangChain, RAG, Pgvector, Autonomous Agents, Langfuse

Frontend: React 19 (Server Components), Next.js, React Native, Tailwind CSS, shadcn/ui, Framer Motion

Backend & Data: Node.js, Hono, PostgreSQL, Supabase, MongoDB, REST/GraphQL, Edge Functions

Testing & Quality: Vitest, Jest, Playwright, LLM Evals, Accessibility (WCAG), Technical SEO

DevOps & Tools: Git, Docker, Vercel, AWS (Serverless/S3), Cloudflare Workers, GitHub Actions (CI/CD), Figma

PROFESSIONAL EXPERIENCE

Freelance Full-Stack & AI Developer

Remote

Freelance

Feb 2026 – Present

- Designed and delivered production-ready SaaS MVPs using Next.js, TypeScript, and Framer Motion.
- Architected RAG pipelines and semantic search engines (Pgvector, Vercel AI SDK) integrating observability (Langfuse) to optimize accuracy and latency.

Ark-x Talent Solutions

Oujda, Morocco

Full-Stack MERN Developer (Intern)

Oct 2025 – Feb 2026

- Developed 3 enterprise web applications using the MERN stack with optimized data schema modeling.
- Optimized performance through PostgreSQL/MongoDB indexing and frontend lazy loading, reducing load times by 25%.
- Collaborated in an agile team of 4: created a reusable UI Design System (Tailwind, shadcn/ui) and integrated CI/CD pipelines.

Majal Berkane SA

Berkane, Morocco

Software Developer (Intern)

Apr 2023 – Jun 2023

- End-to-end development of the cross-platform SafeCampings application (React.js web + React Native mobile) connected to a serverless cloud backend in 8 weeks.
- Designed modular interfaces ensuring seamless API data flow across more than 5 screen formats.

EDUCATION

Faculté Pluridisciplinaire

Morocco

Bachelor of Excellence in Applied Mathematics in Machine Intelligence

Oct 2024 – Jun 2025

- Specialization in linear algebra, optimization, and statistical modeling applied to Machine Learning.
- Practical implementation of predictive models and large-scale data processing using Python.

École Supérieure de Technologie

Morocco

University Diploma in Technology (DUT) in Software Development

Sep 2022 – Jun 2024

- Training in software engineering, object-oriented programming, data structures, and networking.

LANGUAGES

Arabic — Native

French — Professional working proficiency

English — Professional working proficiency