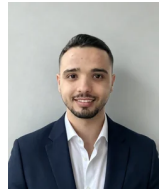


Adnane Abouel Makarim

Full-stack engineer · Information systems designer

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[GitHub](#) · [LinkedIn](#)



PROFILE

My computer and network engineering education, specialized in business information systems (MIAGE), taught me to connect a business problem with a useful system. Programming, clean code, analysis, design and communication are parts of the same work.

PROFESSIONAL EXPERIENCE

May 2026 — present

Permanent role · Marrakech

HWS ●

Full-stack engineer & digital experiences

Turn a property's identity into a usable website, and hospitality data into a tool teams can manage every day.

- Built React experiences for premium hospitality: 11 riad and hotel projects presented, with a distinct identity for each property and a discovery journey designed for mobile and desktop.
- Developed MGH Dashboard to bring property records, destinations and experiences into one application: teams manage French, English and Spanish content in 3 languages without multiplying their tools.
- Made content preparation easier to follow: a 7-step editor organizes the work, while 6 readiness checks highlight essential information to complete before publication, including photos, contact and booking.
- Avoided repeated partner-service calls with a 5-minute cache; statistics enrichment processes batches of 10 simultaneous requests to collect information together rather than repeat it on every screen.
- Owned the delivery workflow: client requirements, design, development, testing, technical SEO, domains and Cloudflare deployment. Domain and hosting configurations are adapted to Genius, Namecheap and LWS environments.
- Integrated Brevo and Resend email services to connect forms to the real recipient; worked on WebP images, resources and accessibility checks to reduce obstacles to contacting the business.
- Applied 3 practical design rules: a hierarchy that explains the offer, an interface usable on mobile and by keyboard, and motion that clarifies actions without slowing the visit.

January — March 2026

Self-employed

HWS

Web developer & digital auditor

Help hotels and riads explain their offer clearly, then identify what actually slows down navigation and search visibility.

- Designed and developed hospitality websites, from content organization to deployment: each property receives a presentation suited to its identity and easy-to-find contact points.
- Audited 3 areas—loading speed, accessibility and search visibility—to distinguish resource, navigation and structural problems instead of proposing arbitrary fixes.
- Optimized images and resource organization; structured headings, pages and metadata so visitors and search engines can understand the content.
- Used analytics to guide follow-up: observing journeys and exit points helps choose improvements from actual use rather than appearance alone.

APEXIOM

Full-stack mobile & web engineer

Bring ordering, payment and delivery tracking into one journey during a fully remote internship with a team in Germany.

- Developed a React Native/Expo application for 2 platforms, Android and iOS: restaurant search, product choice, basket and ordering belong to one journey.
- Connected Mollie payments to Spring Boot 3/Java 21 APIs, with PostgreSQL and Spring Security separating data management, access and transactions.
- Made status changes visible in real time through WebSockets and Expo notifications, so customers can follow an order without manually refreshing their screen.
- Integrated Google Maps address conversion and directions to connect delivery information with the ordering journey.
- Created 3 promotion modes—category, product and basket value—and a configurable reward wheel, giving restaurants adjustable engagement mechanisms.

February — June 2024

Web development

Norsys Afrique

Full-stack web developer

Codingame: a real-time application engineered through to deployment.

- Built a React/TypeScript interface and Java 21/Spring Boot backend: WebSocket exchanges update information without waiting for a page reload.
- Centralized authentication through Keycloak and Spring Security, bringing identities and permissions into a shared access model.
- Containerized the application with Docker and configured NGINX, HTTPS and WSS, connecting reproducible deployment with secure communication.
- Added Caffeine caching and JUnit/Mockito tests: processing can reuse available data and backend behavior can be checked before release.

July — September 2023

Development & Scrum

Aitela Branding

Scrum Master & full-stack developer

Contextual responses, full-stack architecture and an AI-connected user journey.

- Developed a Next.js/NestJS application integrating GPT-4, giving users a dedicated web journey instead of an isolated model call.
- Built prompt generation from instructions and conversation history, carrying context into subsequent responses.
- Connected OAuth/JWT and Stripe to the user journey, bringing sign-in, access and payment into the application.
- Combined Scrum Master and development responsibilities: task breakdown, coordination and follow-up to move the product and its implementation forward together.

TECHNICAL SKILLS

Interfaces & experiences : React / JSX · React Native / Expo · Next.js · Angular · TanStack React Query · HTML · CSS · Bootstrap · Tailwind CSS

Backend & languages : Java / JEE · Spring Boot · Spring Security · Spring Data JPA · Hibernate · NestJS · Laravel · Python · PL/SQL · JavaScript · TypeScript · C++

Architecture & systems : UML · Merise · Design Patterns · RabbitMQ · Kafka · gRPC · WebSockets · MVC · MVP · Monolith · Microservices · SOA · REST

Cloud & delivery : Cloudflare Pages / Workers · D1 · CI/CD · Docker · Jenkins · Git · GitHub · GitLab · Genious · Namecheap · LWS · NGINX

Data & tools : Oracle · MySQL · PostgreSQL · MongoDB · SQLite · IntelliJ IDEA · VS Code · Eclipse · NetBeans · Postman · Swagger

Quality & acquisition : Technical SEO · SSG / prerender · Accessibility · WebP / srcset · Analytics · Brevo · Resend · Sanity · JUnit · Mockito

EDUCATION & ACADEMIC PROJECTS

Computer & network engineering · MIAGE specialization · EMSI Marrakech

SchoolTransit — React, Spring Boot, PostgreSQL, OpenStreetMap.

Crypto Intelligence — Next.js, Spring Boot, WebSockets, PostgreSQL, MongoDB.

CERTIFICATIONS

Python Functions, Files and Dictionaries · Coursera

Data Collection and Processing with Python · Coursera

Machine Learning With Python · Coursera

Entrepreneurial skills · Honoris

Social skills · Honoris

Personal skills · Honoris

Arabic native · French fluent · English professional

Adnane Abouel Makarim · Professional profile · 2026

