

Hicham Meftah

Casablanca, Morocco • hichammeftah4@gmail.com • [+212 6 84 80 75 19](tel:+212684807519)

[GitHub](#) • [LinkedIn](#)

Experience

CDG Capital

Casablanca, Morocco

Full-Stack Engineer Intern

May 2026 – Nov 2026

- Developed an anomaly-management platform that tracks building incidents and automatically routes reports to relevant service providers, reducing manual coordination during incident handling. Built with Next.js, Spring Boot, PostgreSQL and MinIO.
- Developed a financial-document ingestion pipeline that discovers incoming reports, validates and transforms their contents, and publishes processed financial data to downstream consumers. Built the pipeline with Java, Kafka, MinIO, SQL Server, PostgreSQL and Confluent, including validation, filtering and referential-data resolution.
- Improved a legal AI agent's processing speed by 4.6× while achieving over 85% accuracy in citation and source adherence, despite strict constraints prohibiting caching and persistent embedding storage.

OPEN DEVELOPMENT AND EDUCATION

Remote, United Kingdom

Full-Stack Developer Intern

Oct 2024 – Aug 2025

- Developed HR management software for finances, employee data, leave tracking, and performance evaluation, improving operational efficiency by 80% through the replacement of scattered spreadsheets with a centralized system using Next.js, Express.js, Supabase, and PostgreSQL.
- Implemented employee-performance scoring and real-time financial tracking for internal management workflows.
- Containerized internal applications with Docker to standardize development and deployment environments.
- Created end-to-end tests to improve release stability and implemented performance monitoring using Sentry and PostHog.

Projects

Camagru | [Project link](#) | [Demo website](#)

Nov 2025

Instagram-inspired social media platform

- Built a custom PHP micro-framework with routing, middleware, and lightweight ORM from scratch.
- Implemented JWT authentication, email verification and CSRF protection.
- Built an SPA frontend with client-side routing in vanilla JavaScript.
- Added rate limiting to sensitive create, update and delete endpoints.
- **Stack:** Vanilla JS, Tailwind, PHP, MySQL, Docker

RetroPong | [Project link](#)

Jan 2024

Community gaming platform

- Built multiplayer matchmaking and tournament systems for an online Pong platform.
- Implemented client-side prediction to compensate for network latency during gameplay.
- Added protections against XSS, SQL injection and CSRF attacks.
- Split application functionality across independently deployable services.
- **Stack:** JavaScript, HTML/CSS, Bootstrap, Django, PostgreSQL.

IRCServ | [Project link](#)

Sep 2023

Internet Relay Chat Implementation

- Created an IRC server in C++ capable of handling concurrent connections.
- Implemented DCC file transfer and ensured interoperability with standard IRC clients such as HexChat.
- **Stack:** C++

Education

MOHAMMED VI POLYTECHNIC UNIVERSITY - 1337
Information Technology Architecture

Tetouan, Morocco
2022 - 2027

Skills

- Languages: C/C++, Java, Python, JavaScript/TypeScript, PHP
- Frontend: React, React Native, Next.js, Tailwind, Bootstrap, HTML/CSS
- Backend: Spring Boot, Django, Express.js
- Data: PostgreSQL, MySQL, Kafka, MinIO
- Tools: Docker, Vagrant, Shell, VMware, VirtualBox, Sentry, PostHog

Languages: Arabic - Native, English - Proficient, French - Basic, Spanish - Basic