

# MOUAD EL AMMARI

## Full-Stack Engineer

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 <https://mouads.dev>  <https://github.com/Poider>

Casablanca, Morocco (Temporary)

English - French

Willing to relocate Q3 2025 (NL) · Requires visa sponsorship.

## WHO'S MOUAD

I build reliable backend systems — from business logic and data flows to testing and deployment. I work best in collaborative teams where things are structured, clear, and people care about doing things well. I like solving problems through logic, not noise, and I stick with things until they work.

## SKILLS

Programming languages and frameworks:

PHP / Slim	React JS
NestJs/ NodeJs	Python
TypeScript	C++
JavaScript (ES6)	

Tools and technologies:

MySQL / Postgresql	MongoDb
Git	Rest API
Docker	GraphQL
Linux	Socket.IO
Css	Redis
AWS EC2	

## EDUCATION

Oct 2017 — Jun 2021

Bachelor's degree

Computer Science, Casablanca

Databases

University Hassan II Casablanca

Nov 2021 — Jun 2023

42 Curriculum of Architect

Digital Technologies

42 Network, 1337 Coding School -

Mohammed VI Polytechnic University

## EXPERIENCE

August 2023 —present

Full Stack Engineer OCP Africa

- Built and maintained OOP PHP 8 microservices using Slim 4 with clean MVC structure across 12 African subsidiaries.
- Replaced fragmented workflows with centralized, secure backend systems handling millions of sensitive records.
- Optimized PostgreSQL queries (12 s → <150 ms) using indexed CTEs, pagination, and ACID-wrapped transactions.
- Used GitLab CI, Docker, and PHPUnit to ensure consistent deployments and backend reliability.
- **Result:** launched a high-integrity backend — 0 data-loss incidents, reporting lag cut 7 days → <1 hour, now powering decision-making across all subsidiaries.

February 2021 —August 2023

Contract-based Projects

Full Stack Engineer OCP GROUP

- Built secure internal APIs and contributed to a high-performance C++ file server, optimizing large data uploads and system integration.

## PROJECTS

[More projects → mouads.dev](https://mouads.dev)

- Real-Time PingPong Web App – matchmaking, live chat & gameplay with NestJS, Socket.IO & TypeORM.
- C++ Web Server (Nginx-Style) – custom memory management, SSL/TLS, non-blocking I/O for large file uploads and secure HTTP flows.
- Minishell (Bash-Inspired) – commands, piping, redirection & env-vars in a two-stage C interpreter.
- Tree-Based Data-Structures Library – AVL & Red-Black tree implementations with templated C++ APIs.