

Mohamed Ali Agourram

Full-Stack Software Engineer

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EXPERIENCE

Cegid

Jan 2026 – Present

Software Engineer — Retail Store Excellence

Hybrid

- Engineered a full-stack **cross-store user mention system** embedded in tickets and the ticket builder, enabling real-time collaboration across 85,000+ retail locations for clients including Hugo Boss, Tommy Hilfiger, and Nespresso — built end-to-end with Ruby on Rails, React, and GraphQL
- Delivered a **video upload feature** for store checklist forms, integrating AWS S3 for scalable media storage; eliminated manual file-transfer workarounds and reduced store audit reporting time
- Resolved critical **notification pipeline failures**, restoring reliable real-time alerts for store audit and review workflows across a high-traffic multi-tenant SaaS platform
- Hardened platform stability by diagnosing and patching production bugs across the full stack, contributing to a codebase used daily by 345,000 €-per-year cost-saving workflows in retail operations

MIB TECH — VisionHIS

Jul 2025 – Jan 2026

Software Engineer

Hybrid

- Architected a **PHP TCP broker** acting as a protocol-level middleware between the web application and the Paxera RIS system — the broker receives and emits HL7-formatted messages over raw TCP, decoupling the web layer from direct system dependencies
- Designed a **MongoDB message store** as the broker's intermediate buffer, persisting inbound HL7 messages before processing to guarantee no data loss between systems under load or network failure
- Built a **Ruby background worker** running on a cron schedule that consumes queued messages from MongoDB, parses and translates HL7 payloads, and writes structured records into the HIS database — the entire processing pipeline is pure Ruby
- Implemented **automated patient cost calculation** triggered by incoming examination results — the worker updates patient billing records and synchronizes patient data across the HIS in real time based on the message content, keeping clinical and financial data consistent without manual intervention

MIB TECH — Humaneo

Jan 2024 – Jul 2025

Software Engineer

Hybrid

- Built an **end-to-end recruitment pipeline** — from public job posting links to CV intake via a structured library, through interview stages, and finally automated conversion of accepted candidates into active employees on the platform; replaced a fully manual, multi-tool hiring process with a single integrated workflow
- Engineered a **digital document management system** enabling HR teams to generate, share, and collect e-signatures on employee documents — documents are authored inside the app via a rich-text form builder (built with Stimulus.JS), exported to Word, and routed through a configurable validation workflow
- Delivered an **annual performance evaluation module** with per-employee campaign management, automated report generation, and embedded charts; offloaded all report processing to background jobs via Sidekiq, keeping the UI responsive under heavy evaluation periods
- Authored **RSpec test coverage** across core modules, establishing a regression safety net for a previously undertested codebase and unblocking faster release cycles
- Migrated full file storage from local servers to **OVH S3** and shipped a targeted **announcements feature**, replacing ad-hoc email chains with a permission-aware broadcast system

TECHNICAL SKILLS

Back-End	Ruby on Rails, Laravel, PHP, Node.js
Front-End	React.js, Next.js, Stimulus.js, Livewire, Alpine.js, TailwindCSS, jQuery
Languages	JavaScript / TypeScript, Ruby, PHP, Python, SQL, C
APIs & Protocols	GraphQL, REST, TCP/IP, HL7
Databases	MySQL, MongoDB, Firestore / Firebase
AI & Tooling	Claude Code, Cursor, GitHub Copilot, MCP servers, agentic workflows, prompt engineering
Cloud & DevOps	AWS S3, OVH S3, Linux, Git, Postman, Figma, VS Code

EDUCATION

Master's Degree, Big Data & Cloud Computing	Sept 2025 – Jun 2027 (ongoing)
Faculté des Sciences Ain Chock — Casablanca, Morocco	
Bachelor's Degree, Computer Software Engineering	Oct 2024 – Jul 2025
Faculté des Sciences Ain Chock — Casablanca, Morocco	
Associate's Degree, Computer Engineering Technology	Sept 2022 – Jun 2024
OFPPT ISTA El-Hank — Casablanca, Morocco	

LANGUAGES

Arabic — Native | **French** — Fluent | **English** — Fluent