

Contact

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yassinechettouch (LinkedIn)

www.yaschet.dev (Personal)

Top Skills

System Architecture

Next.js

Artificial Intelligence (AI)

Languages

French (Full Professional)

English (Full Professional)

Arabic (Native or Bilingual)

Yassine Chettouch

Product Engineer | Shipping SaaS AI & Complex Systems

Rabat, Rabat-Salé-Kénitra, Morocco

Summary

Product Engineer focused on high-complexity system architecture.

I build proprietary engines and revenue-critical software.

Core Engineering Focus:

- High-Complexity System Design (Data, State, Failure Modes)
- Revenue-Critical & Financial Systems (Ledgers, Billing)
- AI-Enabled Pipelines (Vision, OCR, RAG)
- Event-Driven Architecture (Durable Execution & Reliability)

I am technology-agnostic. I deploy the optimal stack for the problem —whether it is Next.js, Python, or SQL.

I take ownership from architecture to deployment. No hand-holding required.

Open for:

- Technical Leadership (Fractional CTO / Lead)
- High-Impact Engineering Contracts (Remote)

Experience

Verto

Lead Product Engineer

November 2025 - Present (3 months)

Rabat, Rabat-Salé-Kénitra, Morocco

Architecting a proprietary AI-powered translation engine designed for high-volume document pipelines.

- Engineered a "Visual Compiler" using Next.js 16 and OpenAI Vision to reconstruct scanned PDFs into native Google Docs with 99% layout fidelity.
- Built a Durable Execution pipeline using Trigger.dev to handle long-running processes (50+ page legal documents) without timeouts.

- Implemented a Double-Entry Ledger system in PostgreSQL to ensure financial accuracy for credit consumption and billing.
- Developed a custom split-screen editor using Tiptap and React for side-by-side document verification.

Confidential

Senior Full Stack Engineer

November 2022 - October 2025 (3 years)

Rabat, Rabat-Salé-Kénitra, Morocco

Built the core Cloud ERP for a high-volume International Agency. Scaled the platform from a simple MVP to a complex Enterprise system handling thousands of users and financial transactions.

KEY ENGINES DELIVERED:

- Automated Document Pipeline (IDOS): Engineered a workflow using OpenAI API and OCR to extract data from user ID documents and auto-fill DB records, reducing manual entry by 90%.
- Vector Search Engine (Project Phoenix): Built a high-performance RAG system using Meilisearch and OpenAI Embeddings to match customer profiles with catalog data in milliseconds.
- Financial Infrastructure: Built a custom Billing & Commission Engine. Integrated Local Payment Gateways and real-time WebSockets for sales analytics.

STACK: Laravel 11, Livewire, React, MySQL, Redis, Meilisearch, AWS S3.

Orenzo Digital

Co-Founder & Lead Product Engineer

December 2022 - May 2023 (6 months)

Rabat, Rabat-Salé-Kénitra, Morocco

- Co-founded Orenzo Digital, a digital agency, overseeing technical and creative execution from inception.
- Sole engineer responsible for building the agency's entire web infrastructure and internal tools.
- Designed the complete visual identity, including logo, UI/UX, and marketing collateral, enhancing brand presence.

- Managed client delivery and led an engineering team to deliver full-stack software solutions for international clients.

Education

Ecole Supérieure de Technologie Kénitra

Bachelor of Science - BS, Data Engineering & Artificial Intelligence · (2025)

Specialized Institute of Applied Technologies NTIC (ICT) Rabat

Specialized Technician, Full Stack Web Development · (October 2021 - July 2023)

Hassan II High School - Sala Al Jadida

Baccalaureate, Physical Sciences · (September 2018 - June 2021)