

YASSINE MONTASSAR

Engineering Lead

Tunis, Tunisia

Open to on-site, hybrid, or a remote-to-relocation start | Available: 30 days

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PROFESSIONAL SUMMARY

Engineering leader and hands-on full-stack developer who has taken two production platforms from zero to scale. As CTO of a mobility-technology startup in the UAE, led the build of a dedicated ride-pooling platform for a niche commuter segment — including a proprietary matching, pooling and dynamic-pricing engine owned in-house — growing it from launch to a meaningful base of recurring customers and a strong month-over-month revenue trajectory within its first year. Concurrently Tech Lead at Loumo, an AI-assisted examination platform used by 30+ French higher-education institutions and 20,000+ students under RNCP, Qualiopi, GDPR and EU AI Act constraints. Deep in TypeScript, Node.js and GCP, with end-to-end ownership of architecture, security, delivery and commercial outcomes.

TECHNICAL SKILLS

Languages TypeScript, JavaScript (ES6+), SQL, HTML5, CSS3

Front-end React, Next.js (App Router), Tailwind CSS, shadcn/ui, Responsive & Accessible UI

Back-end Node.js, NestJS, Fastify, Express.js, REST APIs, Webhooks, Event-driven services

Data PostgreSQL, MySQL, MongoDB, SQLite, Prisma ORM, Firebase / Firestore, Supabase

Cloud & DevOps Google Cloud Platform, GKE Autopilot, Kubernetes, Docker, Nginx, GitHub Actions, CI/CD, Vercel **AI & Data**

Processing LLM integration, Google Gemini, Vercel AI SDK, OCR / handwriting pipelines, AI-assisted grading, AI-assisted development (Claude Code, agentic coding workflows)

Systems & Domain Matching & routing algorithms, dynamic pricing, subscription billing, payments (PCI-grade), identity verification, multi-tenant SaaS, technical SEO

Languages Spoken Arabic (native), French (fluent), English (professional working proficiency)

PROFESSIONAL EXPERIENCE

Chief Technology Officer — Mobility Technology Startup 2025 – Present

Dubai, United Arab Emirates · Ride-pooling platform for a niche commuter segment

- Own the platform end-to-end: rider booking apps, driver and dispatch tooling, admin dashboard, subscription billing, loyalty engine and reporting — architected and built from first commit to production.
- Designed and owns the platform's proprietary matching engine — the pooling, routing and dynamic seat-pricing logic that decides who shares a ride, which route is taken and what each seat is worth. Built in-house as trade-secret-protected IP rather than a licensed vendor service.
- Took the platform from soft launch to a strong, steadily growing base of monthly completed rides, sustaining a high trip-completion rate and a growing base of cumulative revenue.
- Engineered the retention economics the business runs on, including a high repeat-purchase rate, strong average rides per customer, and healthy opt-in and match rates for shared rides.
- Built the subscription and loyalty engine driving high allowance redemption across an expanding base of active subscriptions and loyalty participants.
- Modelled demand as a hub-and-spoke network anchored on major corporate partners, scaling coverage across numerous live areas of Dubai and extending the same shared-ride economics into neighbouring emirates.
- Shipped multiple production robustness controls covering PCI-grade payment handling, bank-grade identity verification, and fraud and abuse prevention.
- Grew organic acquisition significantly quarter over quarter with zero paid spend, through technical SEO on a Next.js stack. • Operating metrics I own have supported a recent investor valuation and fundraising narrative for the platform.

Tech Lead — Loumo Feb 2025 – Present

Île-de-France, France (Remote) · AI-assisted examination & correction platform for higher education

- Lead engineering for a platform serving 30+ higher-education institutions, 20,000+ students and 4,000+ examinations, owning the full application architecture and technical roadmap.
- Built the AI correction pipeline that ingests scanned handwritten papers and online submissions and returns criterion-level graded feedback — delivering 3× faster correction with a complete audit trail behind every AI-assisted decision.
- Delivered secure online examination: video proctoring, anti-cheat detection, identity verification and zero-install browser-based delivery across QCM, written-response and file-submission formats.
- Engineered the platform to withstand RNCP, Qualiopi, France Compétences, GDPR and EU AI Act audit requirements — centralised grading scales, annotated scripts and full score history retrievable on demand.
- Architected and operate the stack on Google Cloud Platform with GKE Autopilot — React front end, NestJS with Fastify, Firebase for data and storage — sized for seasonal examination-period load spikes.
- Contributed directly to the outcomes the product is sold on: -40% correction cost, four hours per week returned to academic teams, and a guaranteed two-week turnaround SLA.

EARLIER EXPERIENCE

Project Lead & Full-Stack Developer — GACOM (Remote) · Jul 2024 – Sep 2024. Led client delivery of a content platform on Next.js, PostgreSQL/Prisma and Docker, owning timelines and client communication.

Software Developer (Internship) — RNTA, Tunis · Feb 2022 – May 2022. Inventory-management desktop application in WinDev/MySQL with role-based access control.