

OTHMANE ZIZI

Full-Stack AI Forward-Deployed Software Engineer

Montréal, QC, Canada · +1 (438) 699-0314 · othmane.zizi.pro@gmail.com
linkedin.com/in/othmanezizi · github.com/othmane-zizi-pro · othmanezizi.com

Summary

Full-stack, AI-focused forward deployed engineer who ships LLM-powered products end-to-end — React/TypeScript frontends, Python (FastAPI/Flask) backends, data pipelines, ML models, and cloud deployment — working directly with customers to turn their problems into production software. Most recently AI Infrastructure Lead (master's internship) at Meroka and a Data Engineer co-op at CAE (ML for aerospace procurement), both through June 2026. Previously built an AI knowledge-management platform with a custom RAG agent, engineered backend and data pipelines for a web3 fintech serving enterprise customers, and led product across fintech, real estate, and crypto. 2nd place, Databricks AI Agents Hackathon. Trilingual native (EN/FR/AR); lived and thrived in five continents.

Experience

AI Infrastructure Lead – Master's Internship

Jan 2026 – Jun 2026

Meroka — 8VC-backed AI-Powered Private Equity

Montréal, QC

- Owning end-to-end engineering of an AI-native platform — product discovery & roadmap through implementation, model evaluation, infrastructure, and the UX for LLM-powered workflows — in direct collaboration with early users.
- Built a multi-agent enrichment system that auto-qualifies every lead and person the moment they enter the CRM — specialized agents with custom industry prompts, structured-JSON outputs, and evals fire in parallel via a parent orchestrator (Temporal + Bedrock), re-running the unsuccessful ones with the successful outputs as context, and delivering qualified intelligence to the deal team without manual research.
- Designed and shipped a medallion data pipeline (Bronze → Iceberg Silver → Spark queries) with EventBridge orchestration, infrastructure-as-code, and full lineage/versioning — turning hundreds of terabytes of insurer transparency data into a queryable warehouse rebuildable from scratch with a single shell command.

Data Architect (Data Engineering Scope) – Master's Co-op

Oct 2025 – Jun 2026

CAE — Global Aerospace Manufacturer

Montréal, QC

- Leading data engineering and machine learning initiatives to optimize procurement operations at one of the world's largest aerospace and flight-simulation manufacturers.
- Designing data pipelines and ML models that surface actionable insights across a complex, multi-source supply chain.

Business Analyst (Software Engineering Scope)

Oct 2024 – Feb 2025

Integral — Electric Capital-backed web3 platform

Montréal, QC

- Engineered a backend notification system for the core product, serving web3 CFOs across multiple enterprise customers.
- Shipped an automated billing / reconciliation system and internal tools that automated much of customer support, plus data-engineering work powering new blockchain and accounting integrations.

Junior Consultant (with Software Engineering Scope)

Oct 2022 – Jun 2024

AMS Africa — Real estate strategy & technology

Casablanca, Morocco

- Built and deployed an AI-powered knowledge-management platform that automated core market-research workflows, including a custom retrieval-augmented agent trained on proprietary company data.
- Owned technical PM and strategy-consulting engagements end-to-end. Stack: React, Flask, PostgreSQL, GCP.

Director of Product Management

Feb 2022 – May 2022

Finny (acq. by Origin) — Crypto & fintech software

San Francisco Bay Area

- Led the product team to ship roadmap features including onboarding automation, a new payment option validated via A/B testing, and an internationalized version of the software.

Content Creator (Business Research & Audience Development)

Oct 2021 – Feb 2022

Thinknum Alternative Data

New York, NY

- Applied advanced web scraping and data-visualization techniques to author crypto research reports and generate qualified leads for Thinknum's proprietary alternative datasets.
- Led pre-sales calls and SaaS demos, translating complex data products for prospective enterprise clients.

Education

McGill University — Desautels Faculty of Management

2025 – 2026

Master of Management in Analytics (MMA)

Minerva University — World's most selective college program; ranked #1 worldwide for innovation

2017 – 2021

Bachelor of Arts & Sciences — Business, Arts and Literature

UWC-USA — Elite international boarding school (Morocco scholarship; chaired by Mandela, King Charles III, Queen Noor)

2015 – 2017

Lycée Lyautey (Casablanca)

International Baccalaureate (HL: Mathematics, History, Music) · French Baccalauréat (Scientific, Further Mathematics)

Skills & Technologies

Languages: Python, TypeScript / JavaScript, SQL, R
AI / ML: LLM agents, RAG, model evaluation, Databricks
Frontend: React, TypeScript, mobile-friendly UI

Backend & Data: FastAPI, Flask, PostgreSQL, Spark, Iceberg
Cloud: AWS (App Runner, RDS, S3, Bedrock), GCP, Docker
Product: roadmap, discovery, A/B testing, technical PM

Honors, Certifications & Languages

Databricks AI Agents Hackathon — 2nd place · Asset Management Hackathon — Finalist · IBM Full Stack Software Developer (Coursera)

Certs: Python for Data Science AI & Development · Statistics and R · Git and GitHub

Languages: French (Native) · Arabic (Native) · English (Native) · Spanish (Professional)