

EXPERIENCE

Full Stack AI Engineer

2026

Flottando, Switzerland

Built product features end to end, from database design and backend APIs to frontend. Implemented 60+ APIs with Python and FastAPI and integrated AI workflows for fleet documents, automating document classification, information extraction, filtering and anomaly detection across PostgreSQL, pgvector, React, Next.js and AWS.

Founding Engineer

2024 - 2025

TMTime Auctions, Hong Kong

Joined as the first engineer and built the platform end to end, covering architecture, databases, backend, frontend, infrastructure and deployment on AWS. Developed the product with Python, Flask, React, Next.js, PostgreSQL, Redis and Elasticsearch, including its real-time auction engine, payment workflows and recommendation system, with PyTorch used for embeddings, collaborative filtering and ranking. The platform processed ~\$100M in monthly transaction value.

Founding Engineer

2023 - 2024

Bookshelved (acquired), United States

Rebuilt the product into a consumer social platform and owned it end to end, including real-time messaging, posts, comments, profiles, book tracking and discovery. Built the data platform underneath it, aggregating, normalizing and indexing 150M+ books from multiple sources and feeding them into recommendation pipelines for personalized discovery.

Private Cloud Engineer

2018 - 2022

IBM Partner, Casablanca

Worked on large-scale infrastructure for banks and Moroccan public institutions, including national tax collection and customs declaration systems. Designed high-availability, disaster-recovery, database, middleware and analytics environments across IBM and enterprise infrastructure stacks.

EDUCATION

Harvard Extension School, Harvard University

Graduate Certificate in Artificial Intelligence ~ in progress

EMSI, Casablanca

Master's Degree in Computer Science

TECHNICAL SKILLS

Core: Python, TypeScript, SQL, FastAPI, Flask, React, Next.js, Tailwind

Data & AI: PostgreSQL, Elasticsearch, Redis, PyTorch, LLM APIs, RAG, embeddings, pgvector, vector search, recommendation and ranking systems

Infrastructure: AWS, Docker, Linux, CI/CS, Kubernetes, Planetscale, Supabase, Vercel