

SAGI ALTARAZ

Junior AI Engineer | Full-Stack Developer

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PROFILE

Junior AI Engineer with proven experience building and shipping production-grade AI systems — multi-agent pipelines, LLM integration, and real-time event-driven architectures. Delivered end-to-end projects from architecture to cloud deployment. Experienced with LangGraph, Claude API, Kafka/Redpanda, and RAG pipelines. Fast learner, high ownership, strong execution.

EDUCATION

B.Sc. in Computer Science (2024–2026) · The College of Management Academic Studies

TECHNICAL SKILLS

AI & ML: LangGraph, LangChain, LLM Agents, OpenAI API, Claude API (Anthropic), Ollama, ChromaDB, RAG Pipelines, Prompt Engineering

Data & Streaming: Apache Kafka, Redpanda, Event Sourcing, Stream Processing, Real-Time Pipelines, WebSockets

Backend: Python, FastAPI, Node.js, Express.js, RESTful APIs

Frontend: React.js, TypeScript, Vite, Tailwind CSS, Phaser 3

Databases: PostgreSQL, MongoDB, Redis, Firebase/Firestore, ChromaDB

Languages: Python, JavaScript/TypeScript, Java, C/C++

DevOps: Docker Compose, GitHub Actions, DigitalOcean, Git, Linux

PROJECTS

FounderAI — Multi-Agent Business Blueprint Platform

Python · LangGraph · FastAPI · Apache Kafka · Redis · ChromaDB · PostgreSQL · React · TypeScript · Docker

- 8-agent LangGraph pipeline that delivers a full company blueprint — market analysis, legal setup, financials, and a 12-month roadmap — from a single business idea.
- Parallel fan-out runs 3 agents simultaneously, cutting generation time by 30–60 seconds versus sequential execution.
- Real-time WebSocket + Redis Pub/Sub progress stream; post-report AI chat with full blueprint loaded as context.

NeuroStep — AI-Powered Cognitive Training Platform

React 18 · TypeScript · Phaser 3 · Node.js · Firebase · Claude Haiku API · WebSocket · Redpanda · Docker · DigitalOcean · GitHub Actions

- Shipped to production on DigitalOcean via GitHub Actions CI/CD — three containerized services (REST backend, WebSocket game server, Redpanda broker).
- Claude Haiku generates structured cognitive reports (score 0–100 + Hebrew narrative) per session and longitudinal caregiver reports every 5 sessions — Zod-validated, persisted to Firestore.
- Real-time DDA engine personalizes difficulty across 8 cognitive games in under 5ms; cross-session user calibration with no cold-start regression.

AI-Powered Music & Playlist Platform for DJs

React · Node.js · Express · OpenAI API · YouTube Data API

- Full-stack app for music download and management, reducing DJ set preparation time by 60%.
- Node.js + Express backend with async video-to-audio conversion pipeline handling 1000+ daily downloads.
- AI recommendation engine using OpenAI API delivers personalized song suggestions based on user taste and context.

MILITARY SERVICE

Special Operations Engineering Unit (YAHALOM)

- Led a team of over 50 soldiers, overseeing training, operations, and daily management.
- Commanded complex classified operations under pressure using advanced technologies — drones, robots, and various devices.

LANGUAGES

Hebrew: Native · **English:** Fluent

HOBBIES

Music: DJ · Guitar · Festivals · **Sport:** Water Polo · Snowboarding