

SAGI ALTARAZ

Junior Full-Stack Developer | React · Node.js · AI Integration

+972-544291983 | sagialtarz@gmail.com | [LinkedIn](#) | [GitHub](#) | Israel

PROFILE

Junior Full-Stack Developer with hands-on experience building and shipping production systems — from responsive React frontends to scalable Node.js/Python backends with real-time architectures and cloud deployment. Comfortable across the entire stack with a strong bias toward working, maintainable code. Fast learner, high ownership.

EDUCATION

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

TECHNICAL SKILLS

Frontend: React.js, TypeScript, Vite, Tailwind CSS, Phaser 3, HTML5, CSS3, Framer Motion

Backend: Node.js, Express.js, Python, FastAPI, RESTful APIs, WebSockets, JWT Auth

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

AI & Integrations: OpenAI API, Claude API, LangGraph, LLM Agents, Prompt Engineering

Real-Time: WebSockets, Apache Kafka, Redpanda, Event-Driven Architecture

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

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

PROJECTS

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) with Caddy reverse proxy and automatic HTTPS.
- 8 Phaser 3 cognitive games with real-time DDA engine (under 5ms) and async Claude Haiku AI coaching — Hebrew session reports and longitudinal caregiver reports, Zod-validated, persisted to Firestore.
- Cross-session difficulty calibration per user; JWT auth, Firebase Admin SDK, full TypeScript codebase.

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%.
- Responsive React UI with live YouTube search, drag-and-drop playlist builder, and real-time audio player.
- Node.js + Express backend with async video-to-audio conversion pipeline handling 1000+ daily downloads; AI recommendation engine via OpenAI API.

FounderAI — Multi-Agent Business Blueprint Platform

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

- Full-stack platform: FastAPI backend, React/TypeScript frontend, PostgreSQL + ChromaDB, all containerized with Docker Compose.
- 8-agent LangGraph pipeline with parallel fan-out (3 agents simultaneously) — generates a full company blueprint from a single business idea.
- Real-time WebSocket + Redis Pub/Sub progress stream; post-report AI advisor chat.

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