

# Eran Helvitz

B.S. Computer Science - Software engineer / AI Solutions Engineer

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Seeking a full-time Software Engineer / AI Solutions Engineer position.

## Skills:

**Core Languages:** Python, SQL, C++ (strong fundamentals), Java, TypeScript

**AI & Automation:** Prompt design, AI integration (ChatGPT, Cursor), QA testing, data pipeline automation

**Backend:** FastAPI, RESTful APIs, Node.js

**Frontend:** React, Next.js, TailwindCSS

**Concepts:** Algorithms, Data Structures, OOP, Multithreading, System Design, Real-time Systems

**Tools & Collaboration:** Git/GitHub, Docker, CI/CD basics

**Cloud & Deployment:** Vercel, Fly.io, Neon (Postgres), familiarity with AWS

## Summary

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B.Sc. in Computer Science. Junior AI & Backend Engineer skilled in Python, SQL, and C++. Experienced in integrating AI tools into real-world projects, building APIs, and automating data workflows. Hands-on with prompt design, data pipelines, and cloud deployments. Fluent in Hebrew and English.

## Development Projects

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- **Artist Hub**: Platform for managing artist profiles and bookings, with a focus on **backend** development.
  - **Backend:** FastAPI, Python, SQLAlchemy, PostgreSQL.
  - **Frontend:** Next.js, React, TypeScript, Tailwind CSS.
  - Deployed on **Vercel** and **Fly.io**, using **Neon database** for data persistence.
  - Implemented **Google OAuth2** with JWT security, **RESTful API**, calendar integration, and a real-time chat.  
[ArtistHub Link](#)
- **Fleet Simulation System**: A C++ project utilizing the Model-View-Controller (MVC) pattern to simulate the dynamic interaction between vehicles and warehouses. The system applies object-oriented principles, custom user commands, and robust error handling to create a scalable simulation environment. Features include real-time vehicle movement and inventory management, demonstrating experience with **logistics** and **optimization**. [GitHub Link](#)
- **Wine Price Tracker**: A web application built with Python (**FastAPI**), React.js, and **SQL** to monitor and alert users about wine price fluctuations. The backend employs **multithreading** for real-time data scraping from multiple retailers, while the frontend provides a responsive interface for managing preferences, setting price alerts, and receiving email notifications.  
[GitHub Link](#)

## Education

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2020 - 2024     B.S. Computer Science

## Work History

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2023 - 2025     Military reserve - Combat warrior and technician responsible

2020 - 2022     Rossa Wine Truck - Owner

2017 - 2020     Production operation manager for "The big brother show"

## Volunteering

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Metulla Colony Website  
Manager (WordPress)

## Languages

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- Hebrew – Native
- English - Fluent