

Eran Helvitz

B.S. Computer Science - Software engineer

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Seeking a full-time Software Engineer position.

Skills:

Programming Languages & Technologies: Python, C++, Java, TypeScript, React, NodeJS, SQL, Linux, Docker, FastAPI, PostgreSQL.

Concepts: Algorithms, Data structures, RESTful APIs, Object-Oriented Programming (OOP), Multithreading, MVC Pattern, Real-time Systems, AI Integration.

Tools: Cursor, ChatGPT, Git, GitHub.

Cloud Platforms & Deployment: Vercel, Fly.io, Neon (database)

Summary

B.Sc. in Computer Science and a passionate Software Engineer with strong skills in **Python**, **Backend** systems, and modern development tools. Experienced in building web applications and a growing focus on **AI** development and integration. Actively leveraging **AI** tools to accelerate learning, improve code quality, and explore new technologies. A quick learner, problem solver, and highly motivated to contribute to innovative projects in software and **AI** domains, particularly in areas of **optimization** and **scalability**.

Development Projects

- **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

2020 - 2024 B.S. Computer Science

Work History

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

Metulla Colony Website
Manager (WordPress)

Languages

- Hebrew – Native
- English - Fluent