

## Tomer Karmazin

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### Summary

Junior Backend Developer with a **B.Sc. in Computer Science** and hands-on experience in **Python, SQL, Flask**, and **MongoDB**. Built scalable backend systems using **RESTful APIs**, **asyncio**, and **Firebase**, with a strong foundation in **object-oriented programming**, **data structures**, and **system design**. Applied **clean code practices**, used **Linux** and **Git** daily, and implemented real-world backend services involving **data pipelines**, **user management**, and **CI/CD** deployment.

### Experience

#### [Belev Echad \(NGO\)](#) | Software Developer – Internship | 2024

- Built a backend platform in **Python** and **SQL** to enable data recovery and task tracking, inspired by tools like [Monday.com](#).
- Developed and integrated **RESTful APIs**, enabling seamless data flow between frontend and database.
- Collaborated with the product manager to refine technical requirements and deliver key milestones on time.

#### [Israeli Defense Forces](#) | Combat Fighter | Discharged 2018

### Education

#### **B.Sc. in Computer Science | Graduated 2025**

- Studied **object-oriented programming (OOP)**, **data structures**, **algorithms**, and **operating systems**.
- Completed coursework in **Web Development**, **System Design**, and **Database Systems**.
- Gained practical experience with **Python**, **Java**, **Linux**, and backend architecture principles.

### Projects

- **Market Analysis and Prediction System** – Developed a scalable backend system in **Python** using **SQLite**, **asyncio**, and **GeckoTerminal API** to track 1,200+ tokens, achieving an **82% success rate** in predicting profitable trades through real-time data analysis, logging, and dynamic algorithm tuning.
- **[ORP – Optimal Route Planning](#)** – Built a full-stack terrain-based routing tool using **Flask**, **MongoDB**, **Node.js**, and **Google Maps API**, with a custom **A\*** pathfinding algorithm that calculated real-time elevation-based routes and supported persistent user sessions through CI/CD-deployed backend services.