Eyal Cohen

Backend Developer | Python

Contact

Email: Eyalaxl135@gmail.com
LinkedIn: eyal-cohen-sw
GitHub: eyalCohenB
Portfolio: eyalcohen.dev
Phone: +972-52-374-5553

Professional Summary

Backend Developer specializing in Python-based backend development and RESTful API design.

Hands-on experience building production-oriented backend services using Flask, SQL databases, and Linux environments.

Background in system integration and data processing pipelines, with exposure to embedded and AI-driven systems.

Skills

- **Backend:** API development, REST APIs, Flask, Linux
- **Languages:** Python (primary), C, Bash, MATLAB
- **Databases:** SQL (MySQL), MongoDB
- **DevOps & Tools:** Git, Docker
- **Cloud:** AWS (EC2, S3)
- **Programming Paradigms:** Object-Oriented Programming (OOP)
- **Embedded:** Microcontrollers, real-time systems (Raspberry Pi, STM32, ESP32)

Languages

Hebrew – Native
English – Fluent

Experience

May 2023 – Present
Backend Developer (Python / Flask), Underwater Acoustic & Navigation Lab - Univ. of Haifa

- Developed and maintained backend services and RESTful APIs using Python and Flask for real-time production systems.

- Integrated backend systems and data pipelines across internal services, improving system interoperability and operational reliability.

- Collaborated with embedded systems to support backend integration for real-time data collection and processing.

- Integrated AI-based data processing components into backend pipelines for image and acoustic signal analysis.

- Took ownership of backend services from development through integration in production environments.

Education

Graduated: 2025
B.Sc. Software Engineering – Ort Braude, Karmiel

Military Service

2015 – 2018
IDF Navy | Radar Technician Course Commander

- Led and trained technical teams, responsible for system-level operations, troubleshooting, and operational readiness.

Eyal Cohen

Backend Developer | Python