

Yaniv Malach

Phone: 054-9256609 | Email: yanivm96@gmail.com | LinkedIn: www.linkedin.com/in/yaniv-malach

Proactive and self-motivated Software Developer with a strong foundation in **Python, Flask**, and scalable system design. A proven self-learner, adept at mastering new technologies and frameworks to solve complex challenges. Experienced in API development, data pipelines, and task automation using **Docker** and **Jenkins**. Skilled in integrating third-party services with a passion for driving innovation and efficiency in dynamic, technology-driven environments.

Experience

Software Developer – Full Position Bar-Ilan University | 2023 – 2024

- Developed high-throughput data pipelines with **Python, Docker**, and **Linux**, optimizing large-scale biological analysis. Contributed to schema design, file structure, and pipeline architecture to enhance scalability and performance.
- Built **RESTful APIs** using **Flask** and **Pydantic**, improving system accessibility and user documentation via Swagger-UI.
- Developed a REST-based server using **Docker, Python, Flask** and **Flask-RESTX** to streamline data management and retrieval. Collaborated with researchers to ensure alignment with API standards and optimized data query performance for large-scale datasets.
- Streamlined third-party integration using **Dropbox API** and automated workflows with **Slack Webhooks**, enabling a fully automated process with no manual intervention.
- Established **CI/CD pipelines** with **Jenkins**, ensuring consistent task execution and minimizing errors.
- Documented all pipeline steps and scripts on a [website](#) using Docusify.

C++ Lecturer – Student Position Claritune | 2022

- Led an intensive coding training program at Elbit, guiding non-programmers to proficiency in C++ for technical roles.
- Developed a comprehensive lesson plan with hands-on exercises and provided constructive feedback to improve coding skills and understanding.

Education

- B.Sc. in **Computer Science** from The Academic College of Tel Aviv-Yaffo | 2020 – 2023
- GPA: 87, **Dean's List** Honoree

Skills

- Programming Languages: Python, C#, C++, C
- Frameworks: Flask
- Tools: Docker, Jenkins, Git, Linux, Slack, GitHub API, Dropbox API, Swagger-UI
- Databases: MongoDB, SQL

Projects

GroupBuy – Ecommerce Platform

Stack: React, Flask, MongoDB, Blockchain

- Built a blockchain-based group purchasing feature, allowing users to make secure, shared purchases.
- Developed RESTful APIs with MongoDB and Flask for CRUD operations and efficient data management.

Military Service

Company Sergeant Major, Arrow Unit, IAF 2015 – 2018

- operational discipline and camp logistics, ensuring mission-readiness and organizational efficiency.

Languages

- Hebrew, English