

Hen Shiryon

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Software Engineer with over **5 years** of experience in backend development, specializing in Python. Proven track record of leading software projects from initial design to production deployment. Proficient in working with relational databases (PostgreSQL) and designing scalable, reliable systems. Strong team player who collaborates effectively with multidisciplinary teams to deliver high-quality software solutions.

Experience

Backend Developer | [Kimonix](#) | 2023 – present

- Working in a team of 2 developers, building a web e-commerce platform using **MVC architecture**.
- Maintaining and developing **Rest APIs**, including **GraphQL** and **FastAPI**, to improve data interaction and integration.
- Leading initiatives to research and integrate new technologies into the existing system, focusing on system efficiency and **scalability**.
- Configuring and managing system operations with **Google Cloud Platform (GCP)**, utilizing **Docker** for **containerization** to streamline development, and **scaling**.
- Using **MongoDB**, including using **indexes** to improve query performance.

Software Developer | [Stargo](#) | 2022 – 2023

- Worked in a **Microservices Architecture** to develop scalable backend solutions using **FastAPI** and **AWS** services.
- Collaborated with cross-functional teams, improving code maintainability through **design patterns** and **code optimization**.
- Developed asynchronous workflows and leveraged **Pandas**, **NumPy**, and **OCR algorithms** for data processing and analysis.
- Utilized **AWS Lambda**, **S3**, **CloudWatch**, **SNS**, **SQS**, and **API Gateway** to manage **microservices** in the cloud and **MongoDB** as a Database.

Junior Backend Developer | [Newt](#) | 2020 – 2022

- Developed and maintained various Python applications utilizing frameworks such as **Django**, **Fast API**, and **Flask**, coupled with **PostgreSQL** for robust database management. Integrated with multiple third-party systems, including use of **RabbitMQ** for efficient message queuing.
- Implemented a food nutrient comparison algorithm using data analysis tools like **Pandas**, **NumPy**.
- Developed a microservices architecture utilizing **Python**, with deployment orchestrated using **Docker** on **AWS EC2** instances, ensuring high scalability and reliability.

Solider | [Israeli Air Force](#) | 2015-2018

Education

B.Sc. Software Engineering | Afeka college of engineering | Graduated 2023

- **Object Oriented Programing** – **OOP**, **Advanced algorithm**, **Complexity Theory**.

Volunteering

Python Developer | [Code for Israel Association](#) | 2023 – 2024