

# Hen Shiryon

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**Experienced Backend Engineer** with 5+ years of experience in backend development, specializing in designing scalable and distributed systems. Expertise in modern software design, cloud platforms (AWS, GCP), and microservices architecture. Proficient in developing high-performance APIs, managing production systems, and integrating cutting-edge technologies. Strong collaboration and problem-solving skills, delivering impactful solutions in dynamic environments.

## Experience

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

- Designed and implemented scalable **microservices architectures** for a web e-commerce platform.
- Developed and maintained **REST APIs** and **GraphQL** endpoints using **FastAPI** to enhance data interaction and integration.
- Took **end-to-end** ownership of projects, from **design** and **architecture** to **deployment** and maintenance, while **spearheading** the integration of advanced technologies to enhance system efficiency and **scalability**.
- Developing **serverless** services on **GCP** using tools such as **Cloud Functions** and **Pub/sub** leveraging **Kubernetes** for efficient deployment and scalability.
- Designed and optimized **NoSQL databases**, including **MongoDB**, by implementing **indexes** to enhance query performance and ensure high reliability.

### Backend Engineer | [Stargo](#) | 2022 – 2023

- Developed asynchronous workflows and leveraged **Pandas**, **NumPy**, and **OCR algorithms** for data processing and analysis.
- Built **microservices** using **FastAPI**, integrated with **AWS** cloud services such as **Lambda**, **S3**, **CloudWatch**, **SNS**, **SQS**, and **API Gateway**.
- Collaborated with cross-functional teams, improving code maintainability through **design patterns** and **optimization**.
- Designed and optimized **NoSQL databases**, including **MongoDB**.

### Backend Engineer | [Newt](#) | 2020 – 2022

- Developed Python-based **microservices** deployed with **Docker** on **AWS EC2**, ensuring **reliability and scalability**.
- Maintained high-performance web applications using **Django**, **FastAPI**, and **Flask** integrated with **PostgreSQL** databases.
- Streamlined deployment pipelines with **CI/CD automation** via GitHub Actions.
- Designed efficient message queuing systems using RabbitMQ and conducted data analysis using Pandas and NumPy.

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

- Strengthened problem-solving and collaborative skills in a high-pressure.

## Education

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

- Object-oriented programming – OOP, advanced algorithm, complexity theory.

## Volunteering

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