

Hen Shiryon

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Senior Software Engineer with over **5** years of experience in designing, implementing, and optimizing scalable **backend** systems. Proficient in Python, with experience in **microservices** architecture, **cloud-native solutions**, and **API development**. Skilled in leveraging cutting-edge technologies such as AI and LLMs to build innovative solutions. Demonstrates a strong ability to independently design and architect backend systems, integrating modern web app lifecycles with a deep understanding of their architecture. Passionate about developing impactful products that translate data into business value. Passionate about leveraging cutting-edge technologies to deliver innovative and impactful solutions. A collaborative team player with problem-solving skills who thrives in dynamic environments.

Experience

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

- Designed and maintained **REST APIs** and **GraphQL** endpoints for high-performance data interaction and integration.
- Built **serverless** services on **Google Cloud Platform (GCP)**, leveraging tools like **Cloud Functions** and **Pub/Sub**, Kubernetes for efficient deployment.
- Optimized database (**MongoDB**) performance, implementing advanced indexing strategies to enhance query speed.
- Collaborated with cross-functional teams to optimize architecture for scalability and reliability.

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

- Developed scalable backend solutions within a **microservices** architecture using **FastAPI** and **AWS** services.
- Implemented asynchronous workflows to enhance performance for data-heavy applications.
- Collaborated with cross-functional teams, improving **code maintainability** through **design patterns**.
- Delivered **cloud-native solutions**, integrating **AWS Lambda**, **S3**, **API Gateway**, **SNS**, and **SQS**.
- Used **NoSQL** databases (**MongoDB**).
- Designed and implemented APIs, ensuring seamless integration across multidisciplinary teams.
- Optimized data pipelines with **Pandas** and **NumPy** for efficient analytics.

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

- Engineered robust **Python** applications using **Django**, **FastAPI**, and **Flask** frameworks with **PostgreSQL** databases.
- Streamlined deployments via **CI/CD pipelines** and **containerized** applications with **Docker** on **AWS EC2**.
- Built robust communication systems leveraging **RabbitMQ** and optimized data analysis algorithms.
- Architected backend systems to support dynamic web applications, ensuring high reliability in production.

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