

Hen Shiryon

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Experienced Software Engineer with **5+** years of experience in **backend development**. **Specializing** in **Python** backend system development, **distributed systems**, **microservices** architecture, and cloud-based deployments. Hands-on experience with cloud platforms such as AWS and GCP, implementing CI/CD pipelines, and developing data-intensive systems. Skilled in PostgreSQL, MongoDB, and Elasticsearch, and experience with modern development methodologies such as Agile, Jira, GitHub, and GitLab. A collaborative team player passionate about delivering high-performance, maintainable code in dynamic environments.

Experience

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

- Designed and implemented scalable **microservices** architecture for a web-based e-commerce platform, directly enhancing system reliability and performance.
- Developed and maintained **REST APIs** and **GraphQL** endpoints, using **FastAPI** integrations to enhance data interaction and customer experience.
- 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**.
- Built **serverless** solutions leveraging **Google Cloud Platform (GCP)** tools and **Kubernetes** for streamlined deployments.
- Optimized database performance through effective **indexing** strategies with **MongoDB**.

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

- Streamlined data workflows with asynchronous processing and utilized **Pandas**, **NumPy**, and **OCR algorithms** for efficient data handling.
- Engineered scalable backend solutions in a microservices architecture using FastAPI and AWS services- **Lambda**, **S3**, **CloudWatch**, **SNS**, **SQS**, and **API Gateway**.
- **Collaborated** cross-functionally to enhance code maintainability through advanced **design patterns and best practices**.
- Designed and optimized **NoSQL databases**, including **MongoDB**.

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

- Delivered robust **Python** applications utilizing **Django**, **Flask**, and **FastAPI**, coupled with **PostgreSQL** for database management.
- Developed data-driven algorithms, including a food nutrient comparison tool using **Pandas** and **NumPy**.
- Architected **Python**-based microservices with **Docker** on **AWS EC2**, achieving scalable and reliable deployments.
- Automated **CI/CD** pipelines via **GitHub Actions** to ensure smooth, efficient development cycles.
- Ensured system efficiency by integrating **RabbitMQ** for robust message queuing and real-time communication.

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