

Hen Shiryon

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Experienced Software Engineer with 5+ years of experience in backend development, Specializing in backend system development and distributed systems, with expertise in designing scalable microservices and cloud-native solutions. 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

- Developed and maintained cloud-native **microservices architecture** for a web e-commerce platform, focusing on scalability and maintainability.
- Built RESTful APIs, GraphQL, and 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**.
- Designed **serverless** services on **GCP**, leveraging **Cloud Functions** and **Pub/Sub** and **Kubernetes** to optimize deployment efficiency.
- Improved query performance through **MongoDB indexing** and **query** optimization strategies.

Software 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**

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

- Developed Python-based applications utilizing **Django**, **FastAPI**, and **Flask**, integrated with **PostgreSQL** for efficient database management.
- Designed scalable microservices on **AWS EC2** with **Docker** and implemented **CI/CD** pipelines using **GitHub Actions**.
- Created **algorithms** for food nutrient comparison leveraging **Pandas** and **NumPy** for data analysis.
- Streamlined deployment pipelines with **CI/CD automation** via GitHub Actions.
- 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