Hen Shiryon

+972525369791 | hens2013@gmail.com | LinkedIn | GitHub

Senior Backend Engineer with 5+ years of experience in **designing** and **implementing** scalable backend systems and distributed architectures. Proficient in **Python**, cloud platforms (**AWS**, **GCP**), and managing large datasets using SQL/NoSQL databases. Skilled in **CI/CD pipelines**, asynchronous programming, and scalable architectural projects. Experienced in **end-to-end project ownership** and **collaborating** across teams to deliver secure and innovative solutions, leveraging tools like Jira, GitHub, and GitLab. A collaborative **team player** with **strong problem-solving** skills who thrives in dynamic environments.

Experience

Backend Engineer | Kimonix | 2023 – present

- Architected and maintained scalable backend solutions using **Python**, **FastAPI**, **RestAPI**, and **GraphQL**, enhancing API performance and data interaction in a **microservices architecture**.
- Took **end-to-end ownership** of projects, from design and **architecture** through deployment and ongoing maintenance.
- 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 and maintained **Python backend applications** using **Django** and **Flask** with **PostgreSQL** for robust database management, integrating third-party systems and leveraging **RabbitMQ** for efficient messaging.
- Designed scalable and reliable **Docker**-based **microservices** on **AWS EC2**, streamlining deployments with **CI/CD** pipelines using **GitHub Actions**.
- Implemented a food nutrient comparison algorithm using data analysis tools like **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