Hen Shiryon

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

Experienced **Software Engineer** with over **5 years** of experience in **Python** and backend systems development. Proficient in designing scalable and secure **microservices** architectures, implementing **containerization**, and optimizing **distributed applications**. Demonstrates strong **problem-solving skills**, collaboration, and leadership in dynamic environments. Passionate about leveraging technology to solve complex **networking**, **operating systems**, and **distributed programming challenges**. 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 using **FastAPI**, improving system interoperability and user experience.
- Took **end-to-end** ownership of projects, from **designing** and **architecting scalable microservices** to deployment and maintenance in production environments.
- Architected scalable **microservices** and deployed **serverless** applications on **Google Cloud Platform (GCP)** with **Kubernetes** orchestration.
- Integrated new technologies and frameworks to enhance performance and scalability.

Software Engineer | Stargo | 2022 – 2023
- Processed data-intensive workflows with **Pandas**, **NumPy**, and **OCR algorithms**.
- Developed and managed microservices using **AWS Lambda**, **SQS**, **S3**, and **API Gateway**, ensuring robust and scalable solutions.
- Enhanced cross-functional collaboration by implementing efficient **code reviews** and adhering to **best practices**.
- Utilized **CI/CD principles** to streamline deployment pipelines, improving system reliability and developer productivity.
- Utilized **MongoDB** for database management in distributed environments.

Software Engineer | Newt | 2020 – 2022
- Engineered **Python** applications with frameworks like **Django**, **FastAPI**, and **Flask**, integrating **PostgreSQL** for robust database management.
- Designed **containerized microservices** with **Docker** and deployed them on **AWS EC2**, achieving seamless scalability.
- Optimized **CI/CD workflows** with **GitHub Actions**, improving deployment processes and reducing downtime.
- Implemented **messaging** solutions using **RabbitMQ** to enable efficient parallel processing in **distributed systems**.
- Conducted **data analysis** for specialized projects, utilizing tools like **Pandas** and **NumPy**.

Solider | Israeli Air Force | 2015-2018
- Developed technical acumen and teamwork in high-stakes environments.

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