Hen Shiryon

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Python Backend Engineer with over **5 years** of experience specializing in designing and developing scalable, secure, and efficient backend systems. Proficient in modern backend technologies, **microservices architecture**, and **cloud services**, including **AWS** and **GCP**. Skilled in optimizing performance and costs in data-intensive environments. Strong collaborator with CI/CD pipelines, databases, and cloud-native solutions expertise. 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

Backend Engineer| Kimonix | 2023 – present

- Designed and maintained **REST APIs** and **GraphQL** endpoints for high-performance data interaction and integration.
- Spearheaded evaluations of emerging technologies, boosting system scalability and efficiency.
- Developed Engineered
- **serverless** services on **Google Cloud Platform (GCP)**, leveraging tools like **Cloud Functions** and **Pub/Sub**, Kubernetes for efficient deployment.
- Optimized database MongoDB performance, employing advanced indexing strategies to enhance data interaction.

Backend Engineer | Stargo | 2022 – 2023

- Engineered and maintained scalable backend solutions within a microservices architecture using **FastAPI** and **AWS** services.
- Enhanced data workflows with **Pandas** and **NumPy**, ensuring data integrity and streamlined processing.
- Implemented asynchronous workflows to enhance performance for data-heavy applications.
- Collaborated with cross-functional teams, improving code maintainability through **design patterns** and **optimization**.
- Devised cloud-native solutions with **AWS Lambda**, **S3**, **API Gateway, SNS, and SQS** ensuring seamless backend operations.
- Used **NoSQL** databases (**MongoDB**).
- Collaborated with data scientists to integrate models, enhancing production-level analytics.

Backend engineer | Newt | 2020 – 2022

- Engineered Python-based applications using **Django**, **FastAPI**, and **Flask** frameworks with **PostgreSQL** databases.
- Designed robust and scalable **microservices** on **AWS EC2** using **Docker,** facilitating reliable deployments via **CI/CD** pipelines.
- Integrated third-party systems and streamlined communication using **RabbitMQ**.
- Created data pipelines leveraging **Pandas** and **NumPy** for enhanced data processing.

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**.
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Volunteering

Python Developer | Code for Israel Association | 2023 – 2024