Omar Elweshy

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SUMMARY

I'm a Software Engineer with over 3 years of experience in backend development. I specialize in designing scalable solutions and integrating systems across FinTech, Blockchain, and Web Development. Passionate about continuous learning, I'm currently focused on distributed systems and microservices with Golang.

TECHNICAL SKILLS

Languages: Python, TypeScript/JavaScript, HTML/CSS, SQL (Postgres), Java, and Golang.
Frontend Frameworks: React, Next.js, Redux, and Bootstrap.
Backend Frameworks: Django, Node.js, Express, Flask, Spring Boot, and Gin.
DevOps Tools: Docker, Kubernetes, Jenkins, Ansible, Nginx, and GCP.
Others: Linux, Solidity, REST API, Redis, gRPC, GraphQL, and Git.

EXPERIENCE

Backend Engineer — Mar. 2023 – Present
Waared — *Riyadh, Saudi Arabia*

- Migrated the system from one server to another, ensuring minimal downtime and data integrity.
- Integrated APIs with logistics companies (DHL, FedEx, Aramex, Saudi Post) for shipping and tracking.
- Set up a messaging queue with Celery and RabbitMQ for asynchronous email and notifications.
- Developed an invoicing system to generate invoices for customers automatically.
- Established database backup procedures for data security and quick recovery.
- Used Technologies: Django, PostgreSQL, Nginx, Celery, RabbitMQ, Docker, Jenkins, and Google APIs.

Full-Stack & DevOps Engineer — Feb. 2022 – Feb. 2023
MetaCorp Agency — *Dubai, United Arab Emirates*

- Developed and optimized MERN stack applications and RESTful APIs.
- Integrated React and Next.js with Node.js for Web3 blockchain communication.
- Collaborated with frontend team for seamless integration.
- Deployed over 5 projects and databases on AWS, implementing CI/CD pipelines.
- Built and deployed smart contracts on Ethereum and Solana blockchains.
- Used Technologies: React.js, Next.js, Node.js, MongoDB, Nginx, Docker, Jenkins, Solidity, and GraphQL.

PROJECTS

EcomMaster (In progress) | *Golang, Gin, PostgreSQL, Docker, gRPC, RabbitMQ*

- EcomMaster is a comprehensive e-commerce platform built with a microservices architecture using Golang. This project is designed to practice and showcase advanced concepts such as microservices, distributed databases, RPC, logging, Gin, PostgreSQL, and RabbitMQ. GitHub

Deploy Flask to Kubernetes | *Flask, Kubernetes, AWS EKS, Docker*

- Containerized and deployed a Flask API to a Kubernetes cluster using Docker, AWS EKS, CodePipeline, and CodeBuild. GitHub

CERTIFICATES

Udacity — Online
Full Stack Developer Nanodegree. Link — *Dec. 2019 – Mar. 2020*

EDUCATION

Higher Institute of Management and Information Technology — Kafr El-Sheikh, Egypt
Bachelor's degree in Management Information Systems. — *Aug. 2017 – Jul. 2021*