ALISHER MUZAFFAROV

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PROFILE

Backend Software Engineer with almost 3 years of experience in Golang and Python, specializing in API development with additional DevOps skills. Effective in both collaborative and independent work environments.

EXPERIENCE

PSJ Global   Feb. 2023 - Present
Backend Engineer   *Seoul, Korea*

- Contributing to the development of OceanDrive, a decentralized storage solution utilizing IPFS.
- Developed backend services for both OceanDrive's desktop and web applications.
- Re-designed and implemented an authentication service, which enabled authentication for users from different frontends.
- Designed and wrote a Typesense (open source search engine) client library in Golang for search functionality.

Koolsign   Sep. 2021 - Feb. 2023
Software Engineer   *Seoul, Korea*

- Developed OCPP (Open Charge Point Protocol) server app using Python within over a month, resulting in the acquisition of an OCPP certificate for the company.
- Implemented OCPP client library in Golang.
- Developed CSMS (Charging Station Management System) server using Golang and NATS (a Kafka alternative).
- Set up and maintained the company's first on-premise Kubernetes system, integrating database, file storage, monitoring, and backup solutions. This approach accelerated development processes and resulted in cost savings compared to utilizing cloud-managed Kubernetes services.
- Developed an MQTT microservice to push image data to a Redis Pub/Sub for an image recognition system.
- Created a Python library to convert videos to DASH format.

EDUCATION

University of Ulsan   Mar. 2019 – Jul. 2021
Master of Science in Computer Science; GPA: 3.95/4.5   *Seoul, Korea*

National University of Uzbekistan   Aug. 2011 – July. 2015
Bachelor of Science in Physics; GPA: 78/100   *Tashkent, Uzbekistan*

PROJECTS

Anor | *Golang, htmx, _hyperscript, PostgreSQL, Redis, Typesens, Stripe.*

- Developed a full-stack ecommerce application in Golang.
- Implemented end-to-end user flow: homepage, product listings, search functionality, product details, shopping cart, multi-step checkout, and Stripe payment integration.

ocpp | *Golang*

- Implemented both OCPP 1.6 and 2.0.1 versions using Websocket and goroutines.

go-typesense | *Golang* | *Typesense Go Client*

- Developed a robust Go client library for Typesense, a fast and typo-tolerant search engine.

SKILLS

Programming	Golang, Python, SQL, JavaScript
Technologies	Linux, Docker, Kubernetes, PostgreSQL, MongoDB
Web & Networking	REST APIs, gRPC, WebSocket, NATS, Traefik
Frameworks	Echo, Gin, htmx, FastAPI
Soft Skills	Fast learner, Team player, Altruistic, Problem solver