

Sultan Mukashev

MLOps/MLE/Data Engineer

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Experience

DevOps Intern, Tele2/Altel Digital - Almaty Jul - Sep 2024

- Managed Kubernetes Cluster, PostgreSQL and MongoDB databases, S3 storage, Load Balancers.
- Set up CI/CD pipeline using GitLab CI/CD for Golang, Java Spring, Next.js, and Python projects.
- Containerized apps and created templatable manifests for Helm deployments.
- Increased high availability and resilience of services, Kubernetes clusters, databases, S3 storage, and image registry through load balancing, replication, and backups.
- Reduced deployment time by 30 times.

Google Solutions Challenge, PolyLingua - Almaty, Dec - Feb 2024

- Developed backend of a web service for translating videos into 50+ languages using ExpressJS.
- Integrated with Google Cloud tools, increasing accuracy of translated audio generation by 3 times.

Projects

Freedom Shapagat Data Engineering Courseworks

- Developed ETL pipeline to load data from SDU portal logs to AWS S3 and PostgresDB using Airflow
- Tools Used: Airflow, Apache Kafka, AWS S3, PostgreSQL.

Advisor bot for SDU

- Developed ChatBot for helping students with their academic issues.
- Tools Used: Aiogram(Telegram bot API for python), OpenAI API, Docker, RAG, LangChain, Vector Databases.

Detector for Halal products

- Developed backend logic and dockerization of app for Detecting whether product is halal or not
- Tools Used: Flask, MongoDB, OpenAI API for OCR/VLM,

Face Recognition Attendance System

2024

- Build face recognition based attendance system for SDU.
- Tools Used: DeepFace library, Vanilla JS, Flask.

Technologies

Languages: Python, Java, SQL, JavaScript

Technologies: Data Analysis/ML, Docker, GitLab CI/CD, Backend Development, Node.js, Python, SQL, Oracle APEX, Agile, Firebase, Google Cloud Platform, PostgreSQL, MongoDB, Minio S3, HAProxy, Kubernetes Administration, Pipeline Engineering, Nginx Ingress, Helm, Grafana, Prometheus, Harbor Image Registry, Excel, Pandas, NumPy, Scikit-learn, Feature Engineering, Data Preprocessing, Linux Administration, Spark, Airflow, Flask.

Education

SDU University, BS in Computer Science | GPA: 3.67/4.0 Sept 2022 – May 2026

- **Coursework:** Fundamentals of Programming (Java), Data Analysis and Machine Learning, Calculus and Linear Algebra, Algorithms and Data Structures, Database Management Systems, Deep Learning, Entrepreneurship.

Freedom Lab Bootcamp, by Corp. fund Freedom Shapagat

Oct 2024 – May 2025

- **Coursework:** Data Engineering, AirFlow, Kafka, ETL, SQL, Data Modeling.