Mustafa Sencer Özcan

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EDUCATION

BOGAZIÇI UNIVERSITY
BS in Mechanical Engineering
Jun 2017 | Istanbul, TR

COURSEWORK

UNDERGRADUATE
Dynamic Feedback Control Systems
Proprioceptive Feedback Systems
Vehicle Routing
Mechatronics
Adaptive Control
System Dynamics

SKILLS

PROGRAMMING
Extensive Usage:
Python • Go • JavaScript/TypeScript
Familiar with:
C++ • Rust • Java • Scala • R • Bash

DEVELOPMENT
BackEnd:
Django • Flask • Sanic • FastAPI •
Express • Fastify • Koa • NestJS • gin •
mux • httprouter • net/http • gRPC
FrontEnd:
Angular • React.js • Next.js
CI/CD:
Flux CD • Gitlab CI/CD • supervisor •
Jenkins • Argo CD • Github Actions
Messaging/Streaming Brokers:
RabbitMQ • SQS/SNS • Kafka • NATS •
Kinesis
Data Storage:
SQL Server • MySQL • PostgreSQL •
Redshift • DynamoDB • Elasticsearch •
MongoDB • Redis • S3
IAC:
Terraform • CloudFormation
Miscellaneous:
kubernetes • helm • istio • nginx •
envoy • spark • prefect • airflow • dbt •
pandas • sklearn • numpy • pulp • scipy •
osrm • vroom • prometheus• selenium •
swr • socketio • superset • matplotlib

LANGUAGES
Turkish (Native)
French (Native-Like)
English (Fluent)
German (Pre-Intermediate)

EXPERIENCE

NEWSTORE | Software Engineer II
Apr 2021 - Present | Berlin, DE
- Newstore is an integrated platform offering omnichannel solutions for stores and consumers to deliver amazing shopping experiences.
- Catalog team responsible of the **import pipeline** for product, category, price, inventory and image entities into Newstore platform.
- Extensive usage of AWS Serverless stack along with EKS in order to maintain a highly visible and reliable import pipeline.
- Event driven architecture, CQRS, stream processing, data pipeline, etc...

GETIR | Software Engineer
Nov 2020 - Apr 2021 | Istanbul, TR
- **getir** is a Unicorn grocery delivery company operating around the world.
- Algorithm team responsible of vehicle routing, courier assignment, order acceptance, traffic and map matching services.
- Extensive usage of routing and mapping technologies such as Vroom and OSRM along with maintaining the business-critical routing algorithm services.
- Statistical Analysis, Metaheuristic optimization, CVRP, VRPTW, etc...

BLUTV | Software Engineer
May 2020 - Nov 2020 | Istanbul, TR
- **blutv** is an OTT streaming media platform present in Turkey and MENA region.
- Content management team responsible of content delivery, user entitlement, content recommendation, video encoding/transcoding, FFmpeg, etc...
- Extensive usage of task/queue management and workflow technologies such as airflow, celery and redis.

CEREBRO | Software Engineer
Dec 2017 - May 2020 | Istanbul, TR
- **cerebro.tech** is a startup company providing automated bidding systems for metasearch engines such as Trivago, TripAdvisor and Google Hotel Ads.
- Extensive usage of task scheduling, crawler, linear optimisation and ML/Statistical libraries/packages/technologies in Python.
- Batch processing, ML workflows, microservice architecture, click prediction, sales prediction for OTAs.

BORUSAN MANNESMANN | Long Term Intern
Feb 2017 – Oct 2017 | Istanbul, TR
- Initiated planning scripts written in Python in order to decouple periodic tasks from excel macros.
- Gemlik SAWH Mill production planning developer, automation processes, etc

PROJECTS

HIWELL APP | Software Engineer
Sep 2019 – June 2020 | Istanbul, TR

Hiwell app is enabling remote interactions between clinical psychologists and their patients. I mainly worked on the development process of the **Hiwell App** along with the backend APIs and internal dashboards.