

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:

Rust • C++ • Java • Scala • R • Bash

DEVELOPMENT

Microservices & Web:

FastAPI • gin • Goa • gRPC • koajs •

NestJS • React • Next.js • swr • socketio

IaC & Cloud Services:

terraform • AWS CDK • AWS

(CloudFormation, EKS, VPC, ACM, ALB,

NLB, Route53, SQS/SNS, Kinesis, RDS,

DynamoDB, ElastiCache, S3, Lambda, Step

Function, SSM, SecretsManager,

APIGateway) • GCP (GKE, Cloud SQL)

CI & CD:

Argo CD • flux2 • Argo Rollouts • Jenkins

• Github Actions • DroneCI • supervisor

Kubernetes:

ACK • helm • istio • linkerd • cilium •

coredns • external-dns •

aws-lb-controller • traefik • kyverno •

ingress-nginx • cert-manager • envoy

Observability:

prometheus • otel-collector • grafana

Big Data & Machine Learning:

spark • prefect • airflow • dbt • pandas •

sklearn • numpy • pulp • scipy • osrm •

vroom • matplotlib • superset

LANGUAGES

Turkish (Native)

French (Bilingual Proficiency)

English (Full Professional Proficiency)

German (Limited Working Proficiency)

EXPERIENCE

DELIVERY HERO SE | SENIOR SOFTWARE ENGINEER

Oct 2022 - Nov 2024 | Berlin, DE

- Part of global developer platform (GDP) initiative with specialisation in k8s cluster fleet life-cycle management at **Delivery Hero**.
- Supervised microservices, development toolings (CLIs, etc.) and cloud infrastructures that oversee the creation, release and observability of 200+ k8s clusters.

NEWSTORE | SOFTWARE ENGINEER II

Apr 2021 - Oct 2022 | Berlin, DE

- Newstore** is an integrated platform offering omnichannel solutions for retail stores to deliver better shopping experiences.
- Part of the Catalog team maintaining the **import pipeline** ingesting in real time 10+ Gb of entity data everyday into the Newstore platform.
- Extensive usage of AWS serverless stack along with cloud infrastructure management.

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.
- Routing microservices, 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.
- Mission critical content management services encompassing following domains: content delivery, user entitlement, content recommendation, video encoding/transcoding, FFmpeg, etc...

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.
- Small team responsible of backend, frontend, task scheduling, crawler, linear optimisation and ML workflows duties.
- Batch processing, ML workflows, Microservices, Click and Sales prediction for OTAs, Regression models, Django, 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.