

UTKU AYSEV

Software Engineer with four years' experience, eager to relocate within the USA.

(Available for full-time, W-2 employment)

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PROFESSIONAL EXPERIENCE

Data & Software Engineer

03/2022-08/2023

HEPSIBURADA

Istanbul Turkey

- Managed a real-time clickstream data pipeline on GCP using Java (Spring Boot) microservices and BigQuery, **accomplishing 30% faster data processing with Kafka.**
- Delivered real-time E-commerce data to critical systems like recommendations and **ensured more than 99% uptime**, enabling data-driven decisions with cross-functional teams.
- Optimized GitLab CI/CD for GKE with Docker and Maven, **reducing release times by 30%.**
- Crafted a Spring Boot internal web app with Hibernate and PostgreSQL, integrating RESTful services and writing Junit tests to streamline data format updates from 4 days to 30 minutes.
- Managed high traffic loads, **processing around 100 TB of data on Druid** during peak times adjusting (GCE) virtual machines for seamless performance.
- Employed Grafana and Prometheus for real-time system performance monitoring for up to **70,000 users per second.**

Software Engineer

02/2021-03/2022

SEBIT

Ankara Turkey

- Developed scalable Java microservices (Spring, Maven) for nationwide EdTech system, utilizing diverse databases (PostgreSQL, Cassandra, Elasticsearch, Redis), Kafka and Memcached.
- Resolved user accessibility issues by implementing dynamic cluster binding in Elasticsearch.
- Delivered user behavior insights to government stakeholders by analyzing a **13 million user dataset** stored in PostgreSQL and Cassandra.

Software Engineer

01/2018-12/2018

COMODO

Ankara Turkey

- Implemented a Java web app with Spring Boot, PostgreSQL, Hibernate and Docker to automate employee performance evaluations, reducing HR workload from weeks to days.

EDUCATION

MAHARISHI INTERNATIONAL UNIVERSITY

2023-Expected 2026

Master of Science in Computer Science (GPA:3.93)

Fairfield IA

(In progress via distance education)

TOBB UNIVERSITY OF ECONOMICS AND TECHNOLOGY

2015-2020

Bachelor of Science in Computer Science (GPA:3.17)

Ankara Turkey

PROJECT

Job Search Sculptor

2024

- Crafted a Streamlit app using Python for managing job applications by scraping descriptions and generating personalized cover letters using OpenAI's API.

Rental Car Application

2023

- Built a rental car application website using Node.js, Express, JavaScript for seamless user interaction.

Real Estate Agency Admin Tool

2022

- Developed a real estate contract tracking system using Python, Flask, SQLite, Javascript.

SKILL

- Java (Spring Boot, Spring Cloud, Hibernate, Junit), Python (Flask), Javascript (NodeJs, Express)
- Cloud Computing, GCP (BigQuery, GKE, GCE, GCS), AWS (RDS, EC2, DynamoDB, S3), Linux
- Kafka, PostgreSQL, MYSQL, MongoDB, Cassandra, Elasticsearch, Redis, Memcached
- RESTFUL Web Services, OOP, Singleton, Spring MVC, Visitor Design Pattern, Software Design
- Agile, SCRUM, Software Development Lifecycle, Large-Scale Distributed Microservices
- Prometheus, Grafana, Kubernetes, Docker, Maven, GitLab CI/CD, Eureka Service Discovery