UTKU AYSEV

Software Engineer with four years' experience, eager to relocate within the USA.
(Available for full-time, W-2 employment)
• Fairfield, IA • utkuaysev@gmail.com • (641) 233-9886 • linkedin.com/in/utkuaysev

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 Google Kubernetes Engine (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** during peak times optimizing Google Compute Engine (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.
- Developed a Java/Spring notification system with PostgreSQL, automating targeted user notifications.

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

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 reducing agent workload by over 30%.

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)
- 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