UTKU AYSEV

Software Engineer with four years' experience, eager to relocate within the USA.
(Available for full-time, W-2 employment)
• Fairfield, IA • (641) 233-9886 • Email • Linkedin • Portfolio • Medium

PROFESSIONAL EXPERIENCE

Data & Software Engineer	**03/2022-08/2023**
HEPSIBURADA	Istanbul, Turkey

- Enhanced a real-time clickstream data pipeline on GCP with Java (Spring Boot) microservices, Python Scripts, PostgreSQL and RabbitMQ, **achieving 30% faster data processing using Kafka.**
- Delivered real-time e-commerce data using Superset for enhanced analytics and decision-making, **managing 100 TB of data on Druid**.
- Optimized GitLab CI/CD for GKE with Docker and Maven, **reducing release times by 30%.**
- Migrated from Hadoop to Google Cloud, leveraging BigQuery, BigTable for scalable and efficient data storage, ensuring seamless data integration and **maintaining over 99% uptime during peak times.**
- 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, event-driven Java (Spring, Maven) microservices for nationwide EdTech system, utilizing diverse databases (PostgreSQL, Cassandra, Elasticsearch, Redis), Kafka and Memcached.
- Delivered user behavior insights to government stakeholders by analyzing a **13 million user dataset** stored in PostgreSQL and Cassandra.
- Resolved user accessibility issues by implementing dynamic cluster binding in Elasticsearch.

Software Engineer	**09/2019-01/2020**
STM	Ankara, Turkey

- Implemented a Neo4j graph database for cybersecurity vulnerabilities and entities, enhancing risk assessment with similarity algorithms.
- Developed a Named Entity Recognition model with Spacy to extract crucial information from pre-tagged cyber intelligence data, storing the results in MongoDB.

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 job descriptions and generating personalized cover letters using OpenAI's API.

Spark Application For Sensor Data	**2023**

- Configured Spark Streaming to process and store data in HBase based on threshold conditions, visualizing with Python, Jupiter Notebook and Plotly

SKILL

- Java, Python, SQL, Kafka, RabbitMQ, Redis, Memcached, Spark, Hadoop, HBase, Hive, Druid, GCP, AWS
- PostgreSQL, MongoDB, Cassandra, BigQuery, BigTable, Neo4j, HBase, Elasticsearch, Prometheus, Grafana
- Agile, SCRUM, SDLC, Large-Scale Distributed Microservices, Kubernetes, Docker, Maven, GitLab CI/CD