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

- Enhanced a real-time clickstream data pipeline on GCP with Java (Spring Boot) microservices, 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 Java event-driven microservices (Spring, Maven) 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