**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](mailto:utkuaysev@gmail.com) • [Linkedin](http://www.linkedin.com/in/utkuaysev) • [Portfolio](https://www.utkuaysev.click/) • [Medium](https://medium.com/@utku.aysev)

**PROFESSIONAL EXPERIENCE**

**Data & Software Engineer 03/2022-08/2023**

HEPSIBURADAIstanbul, 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](https://github.com/utkuaysev/JobSearchSculptor)**

* 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](https://github.com/utkuaysev/SensorDataSparkApplications)**

* 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