**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

* Managed a clickstream data pipeline on GCP (BigQuery, BigTable) using Java (Spring Boot) microservices and Python scripts, **ensuring more than 99% uptime.**
* Delivered real-time E-commerce data to critical systems like recommendation, **accomplishing** **30% faster data processing with Kafka.**
* 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, event-driven Java (Spring, Maven) microservices 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](https://github.com/utkuaysev/JobSearchSculptor)**

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

**[Rental Car Application 2023](https://github.com/utkuaysev/Rental-Car-Application)**

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

[**Real Estate Agency Admin Tool**](https://github.com/utkuaysev/emlak) **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