TAHIR OZDEMIR

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SUMMARY

I am three and a half years experienced Data Engineer. My main drive is building scalable, fault tolerant, cost-effective, high quality data intensive applications. I always want to learn from and share with the team to push all members, including myself, one step further and raise the bar. I value a strong feedback culture and teams care about each other.

EXPERIENCE

Data Engineer @Trendyol - 01/2020 - Present

- I am part of a team that develops seller screens. We provide **batch** and **realtime** reports to sellers to help them increase their sales.
- We use **Spark** for batch processed reports such as **sales, reviews, promotions, store metrics** etc. There are **+15 main projects** which process **terabytes of data hourly**. Spark jobs run on a **+34 node cluster of AliCloud EMR** service.
- We use **Flink** to process **streaming data** through **Kafka**. Flink jobs feed real time reports such as **visits, product metrics, sales graphics** etc. Flink cluster runs on **Kubernetes** service of **AliCloud**.
- We use **Scala** for both Spark and Flink jobs. Instead of plain SQL, we prefer typesafe native APIs. We also use the **Akka** framework for **APIs** and some simple streaming tasks.
- We have a **DataLake** with **Trino** on top of it which serves **+6 petabytes of data**. We also use **Druid, PostgreSQL, Cassandra and Redis** to serve data through API.

Software Engineer @Softtech - 10/2019 - 01/2020

- I was a part of a team which develops notification systems (SMS, in-app and e-mails).
- We re-implemented the e-mail notification system from a COBOL based mainframe app to an **Akka Stream** based modern app and **reduced delivery time x20** and **increased accuracy %1**.
- In this position I met some exciting tools like **Scala, Akka, Cassandra, MongoDB** and **Kafka**.

Developer @Eskisehir Osmangazi University - 01/2017 - 10/2019

- I contributed to a **TUBITAK** project which is titled 'Development of Autonomous Transport Vehicles and Human-Machine / Machine-Machine Interfaces for Smart Factories'. (Contact No: 116E731)
- Team was responsible for various parts of project such as solving task scheduling problem (**C#, Python, ROS**), database management (**MsSQL**), simulation (**Gazebo**) etc.
- We implemented an improved version of Simulated Annealing Algorithm with **CUDA** library which improved performance **x2-x5**. This part of the project was also supported by TUBITAK and we got financial support. (Contact No: 1139B411801155)
- Through the process I contributed to **one paper** (doi: 10.48129/KJS.V49I1.10194) and **two conference presentations** (EURO 2018 & ICETI 2019).

EDUCATION

Eskişehir Osmangazi University ('14 - '19) - Computer Engineering - BSc - GPA 3,70

SKILLS

• Spark • Flink • Scala & Akka • Kafka • Hadoop Ecosystem (HDFS, Hive etc.) • Druid • Cassandra • PostgreSQL • Redis • Docker • Kubernetes • Cloud