

# ALI FAZELI

DATA/MLOPS ENGINEER

## PROFILE

Personable **Data Engineer/MLOps** with **7+ years** of experience in design and implement scalable data solutions in a variety of industries. Skilled in Data Architecture and design principles, as well as data modeling and **ETL/ELT** processes. **Proficient in Python** programming language, as well as **SQL** and **data manipulation tools**. Strong understanding of **Data Quality** and **governance practices**, ensuring that data is reliable, consistent, and secure.

## WORK EXPERIENCE

### LEAD DATA ENGINEER

[Thousand Ways](#), Tehran — May 2020- Present (5 Years)

**Founder** and **Solution Architect** of a domestic big data analytics platform called **Zhaav**, Based on cloud-native principles, a work in progress. Accessible at <https://zhaav.net/>

Zhaav main features are listed but not limited into:

- Data Visualization Engine (Tailor made for Iranian requirements)
- Data Quality Assurance subsystem
- Smart Assistant System (RAG based offline LLM integration)
- Domestic ETL pipelining and management
- Big Data Warehousing Infrastructure for Realtime/Batch data entries

#### Responsibilities:

- Design and deploy **performable data pipelines** in various data centric projects.
- Deploy and fine tune **Data Mining solutions** to our main enterprise customer. collaborating through a Data Driven Decision making mechanism.
- Dispatch and manage data related tasks through 5 members of my team.

#### Achievements:

- Provision, Deploy and Functionality Acceptance Test (FAT) of a Big Data Analytics solution called [Sefonsoft SDC](#), acquired by Iranian Police.
- I've contributed in various projects in terms of **data pipeline fine tuning, business domain pattern recognition, etc.** due to the non-disclosure agreements with our national/governmental customers, related work portfolio can be provided upon request.
- Created a **Real Time Big Data SQL Streaming Ecosystem** with **50K EPS** which accomplished bright results through a Customer Experience Management project in Telecommunication sector. (Includes ingest, digest and storing data from various types and origins into **Doris** Datawarehouse and providing data insights to telco engineers.

### SENIOR MLOPS ENGINEER

[Sheypoor](#), Iran — August 2022 – March 2023 (~1 Year)

#### Responsibilities:

- Implementing various data pipelines in order to satisfy Customer's AdTech analytical needs.
- Migrating the traditional ETL pipelines to **Apache Airflow**.

#### Achievements:

- Re-implement the **Recommender System** of **Real Estate ads** vertical, using various features of each listing. Empowered by Elastic Search's **vector search engine**.
- Design and deployed a novel **recommender system inference system**, respecting the **Cloud Native** architecture with the **TPS** of 400.



## PERSONAL DETAILS

**DOB:** 20 AUGUST 1995

**Addr:** Namjoo St. Tehran, Iran

**Tel:** +98 912 818 8680

**Portfolio:** <https://alifzl.com>

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[GH](#) [HF](#)

## PROFESSIONAL SKILLS

Programming Language:  
Python, Bash script

Data Quality & Manipulation:  
Pandas, Numpy, Polars,  
Great Expectations

ETL/ELT:  
Apache Airflow, Hitachi PDI

Visualization/BI:  
Tableau, Apache Superset

Hadoop Ecosystem:  
HBase, Hive

Relational DBs:  
Oracle, Postgres, MySQL

Non-Relational DBs:  
MongoDB, Redis, MinIO

Analytical DBs:  
Apache Druid, Apache Doris

Data Stream Stack:  
Redpanda, Kafka, RisingWave

Analytical DBs:  
Apache Druid, Apache Doris

Cloud Native Stack  
Docker (Proficient)  
Kubernetes (Independent)

Virtualization Tools:  
VMware Stack

Version Control:  
Git

Operating System:  
Debian based Linux, MacOS

## MLOPS ENGINEER CONSULTANT

BRGroup CTO Department, [Blue Ray Company](#), Tehran — Jan 2022 – June 2022 (~1 Year)

Joined here due to OSS digitalization targets. Developed an automated procedure of **NMOS** interface query invocation and also had helped in fine tuning several reports for the **BRCe**’s performance team.

### Responsibilities:

- Solution architect of **SLA Calculation Solution**. (Service Level Agreement between BRTell and MTNIranCell)
- Developed enterprise-level data pipeline through more than **7K** lines of code.

### Achievements:

- Reconciling and unification of SLA related OSS KPIs between 3 Telco vendors (Huawei, Ericsson and Nokia)
- Enhancing the data pipeline architecture in order to conserve performance, regardless of data volume.

## DATA ANALYST

[Huawei Technologies](#), Tehran — May 2018 – May 2020 (2 Years)

Team member of Customer Experience Management (**CEM**) project.

Participated through **maintaining the big data lake** of user-plane and signaling data, based on **Apache Hadoop**, Including **Impala** and **Hbase** for the data warehouse. create and maintain **BI reports** using **Tableau** and my **Pandas** Programming skills to verify the **data accuracy** of our Big Data system.

Also created **Several python automation scripts** in order to facilitate Telco Demarcation Processes.

### Responsibilities:

- Determining business KPIs and the correlation factors, as well as defining novel business **KQIs** (Key Quality Indicator) in order to intensify quality of MTN IranCell’s network and also refining the network’s failures and weak points.
- Extracting data from mentioned data sources, doing the ETL/ELT process on them via tools like **Tableau Prep** and **Python scripts + Airflow** to make the customized correlation between raw data and business KPI/KQIs. Also creating Stored **Procedures** and **Triggers** in order to ensure the availability of every aggregation level of data was part of my job.

### Achievements:

- I’ve held two series of Python training course for my Telecom colleagues, building up their automation skills, using Pandas and myself deployed automation software.
- Proficiency in **Tableau**, experienced several cases in which I turned a high-level business KPI into a complete data pipeline process and BI report.
- **Huawei Employee of the month** August 2019

## EDUCATION

### MASTER OF ARTIFICIAL INTELLIGENCE

Islamic Azad University Science and Research Branch — September 2019 - January 2022

- Passing all the theory courses with **GPA 2.7** through **3 semesters**.
- **Quitting** due to excessive work pressure and responsibilities in Huawei Technologies.

### BACHELOR OF ENGINEERING IN COMPUTER ENGINEERING

Tabriz University — September 2013 - January 2018

### Mentionable activities:

- Advanced Programming Teacher assistant (2 Semesters)
- Created a Plant Care Robot called GolCare which utilized **Q-Learning** algorithm in order to seek for sufficient amount of light, humidity and temperature for proper plant growth.

## LANGUAGES

English

Reading: Proficient  
Listening: Proficient  
Speaking: Independent  
Writing: Proficient

Farsi

Mother Tongue

## ORGANIZATIONAL SKILLS

- High Perseverance
- Enjoying Participation
- Ethical Work Commitment
- Team Player

## REFERENCES

[Milad Sefidgaran](#)

Senior ML Researcher,  
Paris, FR

[DR. Mina Zolfi](#)

Assistant Professor at Tabriz  
University

Last Update Date:

May 2025