

# Morteza Hajipour

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## Work Experience

Senior Data (Quality) Engineer | *Snapp* / November 2023 - Present / Full-Time

- Solution architect and senior developer of a data platform to empower all the data teams to monitor the quality of their data pipelines and systems using state of the art technologies like Apache Spark, Hadoop HDFS, Minio and the most popular OSS data quality library, aka Great Expectations

Senior Data (Platform) Engineer | *Golrang System* / December 2021 - Sep 2023 / Full-Time

- Solution architect of a distributed data architecture using the concepts of Data Mesh and Decentralized Data Ecosystems in order to optimize the cost/income flow of entire Golrang Industrial Group ecosystem
- Develop a data-driven optimization approach to optimize loads of the automation tasks and reduce tasks concurrency
- Develop of a streaming solution for data coming from IOT devices using a Kafka cluster, Python producers and Apache Druid to integrate data from IOT devices
- Implementation of ETL processes, standardization and optimization of old ETL packages and REST APIs using Python (pure and FastAPI web framework), Apache Airflow, SSIS and SQL
- Develop a customized data-driven monitoring and alarming tool using Python, K-Means algorithm and Django web framework

Data Warehouse Developer | *ICT Research Center* / June 2018 - December 2021 / Full-Time

- Participate in the redesigning process of a data integration system by proposing and implementing a new data architecture for Iran's national electric company (Tavanir)
- Continues assessment, development, and optimization of PostgreSQL databases (SAAMAP)
- Add a new feature to the company's web application by providing a data scraper to collect news using Python and Selenium (Isna)

Database Developer | *Roozamad ICT Developers* / January 2017 - June 2018 / Full-Time

- SQL Server Database optimization, development and maintenance

## Skills

Big Data, Distributed Systems, Python, Linux, Apache Spark, Apache Hadoop, PostgreSQL, MS SQL Server, Kafka Confluent, Apache Airflow, SSIS, Docker, Git

## Education

Bachelor's degree

*Computer Science*

*Sharif University of Technology*

Master's degree

*Industrial Engineering (Systems Engineering)*

*Khaje Nasir University of Technology*