

Moein Hosseini

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EXPERIENCE

- **Tap30** *Fastest-growing and second carpool player in Iran (Uber of Iran)* Tehran, Iran
Senior Data Engineer *Dec 2018 - Present*
 - Lead the team of 3 to build and maintain a scalable and fault-tolerance data warehouse and computation stack.
 - Working closely with BI and backend teams to make sure that the cluster meets business requirements.
 - Built synchronization services to makes data warehouse synchronized with production databases using Spark.
 - Setup and manage data pipelines and reporting system for ten of thousands of jobs per day using Airflow.
 - Built stream processing application responsible for schema inference and persistence of events and create Hive tables for automatically using Spark and Kafka.
- **BisPhone** *Optimized messaging and calls application with almost 3 million users* Tehran, Iran
Technical Product Manager (Alongside with Data Engineering role) *Mar 2018 - Dec 2018*
 - Design RPC level APIs between microservices and exposed API to clients using SARF and Protobuf.
 - Design the end-to-end encryption protocol based on Diffie-Hellman and AES algorithms.
 - Working closely with C level people and all technical teams to define a technical road map of product, minimize technical debts during releases and divide features to deliverable tasks.
- **BisPhone** Tehran, Iran
Data Engineer / Big Data Developer *Dec 2016 - Dec 2018*
 - Count unique users interactions to contents using approximately algorithms, Flink, Kafka and Cassandra.
 - ETL data to new version of application during big bang migration from SQL based DBs to Cassandra using Spark.
 - Contribution to p2p messaging, message broadcasting and file storage services using Scala and Akka.
 - Built a batch service to calculate system stats from various sources and publish it on EK stack using Spark.
- **HungerStation** *The largest online food court in Saudi Arabia and Bahrain* Remote, Saudi Arabia
Software Developer *Nov 2015 - Mar 2016*
 - Add some features to REST APIs. Furthermore, increment the response time by adding a Redis based cache layer.
- **PersianBlog** *The first blogging platform in Persian* Tehran, Iran
Software Developer *May 2014 - Dec 2014*
 - Development the core and the panel of PPC advertisement platform using PHP, NodeJS, MongoDB and RabbitMQ
- **ShivehCo** *A pioneer company in the GIS and realtime tracking systems.* Tehran, Iran
Junior Web Developer *Jun 2013 - May 2014*
 - Contribution to the main project and add real-time car tracking and alerting features using PHP and MySQL.

PROGRAMMING SKILLS

- **Languages:** Scala, Java, Python, SQL
- **Technologies:** Spark, Kafka, Hadoop, Flink, Ambari, Airflow, Zookeeper, Cassandra, Postgres

EDUCATION

- **Amirkabir University of Technology - Tehran Polytechnic** Tehran, Iran
Master of Science, Information Technology *2015 - 2018*
- **K. N. Toosi University of Technology** Tehran, Iran
Bachelor of Science, Computer Engineering *2010 - 2015*

NOTABLE OPEN SOURCE PROJECTS

- **Airflow On Ambari:** Mpack package to setup and monitor Celery based Airflow or Ambari (Ambari extension)
- **RabbitMQ On Ambari:** Setup, configure and monitor single node RabbitMQ server on Ambari (Ambari extension)

VOLUNTEER EXPERIENCE

- **AISEC** Guangzho, China
Volunteer University Exchange Student *Jul 2016 - Aug 2016*
 - Working as a volunteer in Guangzhou to improve general knowledge of Chinese migrant workers in the international team. This project helped me to develop my leadership and communication skills in the multi-culture environment.