

## PERSONAL INFO



## Mohsen Lotfizad

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## INTERESTED IN

Software Engineering / Data Engineering

## WORK EXP

Jan 2016  
to  
Present

## Software Research Engineer

Snapp Co., Tehran (Iran)

Home Page: <https://snapp.ir>

Business: Ride Hailing

- Boost Operation Team performance by providing an online Demand Report based on big data platform using Spark, Kafka, ClickHouse, Logstash and Filebeat.
- Equip Fraud Detection Team with a Pandas based application, which detected 20 suspicious categories.
- Helped the Marketing Team with a predictive LTV (lifetime value) which has 87% accuracy using Random Forest.
- Enhanced SSAS BI platform by ETL (extract transform load) data to SqlServer as the warehouse using standard SQL, Pentaho Kettle and Python.

Feb 2015  
to  
Jan 2016

## Software Architect

Pouya Finance, Tehran (Iran)

Home Page: <http://pouyafinance.com/>

Business: Brokerage Data Processing, Stock Exchange

- Developed a KBS (knowledge base system) to implement applicable use cases on Iran's Exchange Market. This KBS was a Python web-API inspired from the Clean Architecture and used technologies like Pyramid, SQLAlchemy, Json-RPC and Angular-JS.

Jan 2013  
to  
Sep 2015

## Software Engineer / Team Lead

Fanap Payment, Tehran (Iran)

Home Page: <http://fanappayment.ir/>

Business: Automatic Fare Collection

- Coached a team of five software engineers and reported to municipality representative using Agile Methodology and Jira to pioneer a \$14M automatic fare collection project on cabs of Isfahan (third largest city in Iran with 2M population).
- Designed and developed a bi-directional data pipeline to receive Info and send back commands to 8000 cabs based on a devised a UDP protocol. Used technologies: Apache MINA, Hibernate, MySQL, RabbitMQ, Java, Spring Framework, Oracle DB, SOAP and REST web services.
- Set up Zabbix to monitor the system, which has been consisted of 15 local servers.

Mar 2008  
to  
Dec 2012

## Software Engineer

Fanap Co., Tehran (Iran)

Home Page: <http://en.fanap.ir>

Business: Information and communication

- Tracked project progress, defined deliverables and pursued project issues in weekly meetings alongside clients' project supervisor who were mostly board members.
- Analysed and developed an automation system for issuance and loss for various insurance companies using java technologies: AppFuse, Spring Framework, Hibernate and JSF.
- Suggested features and workflows to Clients' managers and senior staffs.

## EDUCATION

2013  
to  
2015

## MS: Knowledge Engineering

Amirkabir University of Technology, Tehran (Iran)

<http://aut.ac.ir/aut/>

2003  
to  
2008

## Bachelor: Software Engineering

University of Tehran, Tehran (Iran)

<http://ut.ac.ir/en>

## SKILLS

## LANGUAGES

▪ Persian: Native

▪ English: Business Level

## WORK SKILLS

▪ Python  
▪ Jupyter Notebook

▪ Java  
▪ Apache kafka

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- Machine Learning
  - Data Mining
  - Spark Straming
  - Pyramid
  - SQLAlchemy
  - Pandas
  - Scikit-Learn
  - SQL
  - DAX

- Linux
- Spring Framework
- Hibernate
- RabbitMQ
- Apache Mina
- Software Design
- Agile Methodologists and Scrum
- Design Patterns