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| PERSONAL INFO | Mohsen Lotfizad | | | |
| X:\resume\Mohsen Lotfizad.jpg | Lashgar Crossroad, Tehran (Iran) | | | |
| (+98) 912 440 1582 | | mohsen.lotfizad@gmail.com | |
| Skype: mtlotfizad | | LinkedIn: https://www.linkedin.com/in/lotfizad/ | |
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| Interested in | Software Engineering / Data Engineering | | | |
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| WORK EXP |  | | | |
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| Jan 2016  to  Present | Software Research Engineer | | | |
| Snapp Co., Tehran (Iran) | Home Page: [https://snapp.ir](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. | | | |
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| 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. | | | |
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| 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. | | | |
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| Mar 2008  to  Dec 2012 | Software Engineer | | | |
| Fanap Co., Tehran (Iran) | Home Page: [http://en.fanap.ir](http://en.fanap.ir/) | | Business: Insurance |
| * 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. | | | |
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| EDUCATION |  | | | |
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| 2013  to  2015 | MS: Knowledge Engineering | | | |
| Amirkabir University of Technology, Tehran (Iran)  <http://aut.ac.ir/aut/> | | | |
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| 2003  to  2008 | Bachelor: Software Engineering | | | |
| University of Tehran, Tehran (Iran)  http://ut.ac.ir/en | | | |
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| SKILLS |  | | | |
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| LANGUAGES | ▪ Persian: Native | | ▪ English: Business Level | |
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| WORK SKILLS | ▪ Python  ▪ Jupyter Notebook  ▪ Machine Learning  ▪ Data Mining  ▪ Spark Straming  ▪ Pyramid  ▪ SQLAlchemy  ▪ Pandas  ▪ Scikit-Learn  ▪ SQL  ▪ DAX | | ▪ Java  ▪ Apache kafka  ▪ Linux  ▪ Spring Framework  ▪ Hibernate  ▪ RabbitMQ  ▪ Apache Mina  ▪ Software Design  ▪ Agile Methodologists and Scrum  ▪ Design Patterns | |