



Alireza Mahmoudi

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Location: Tehran, Iran

Date of Birth: 1987/11/21



Summary

Experienced Chief Technology Officer with a demonstrated history of working in the marketing and advertising industry over 8 years of work experience. Skilled in Programming, Software Development, Technical Lead, Big Data Concepts and Tools, Machine Learning Algorithms and Tools, Data Mining Algorithms and Tools, High Transaction Systems, Software Architecture, etc... Strong information technology, software engineering and artificial intelligence professional with a Master's degree focused in Computer Engineering from University of Tehran.

Skills

- C#, .Net, .Net Core, ASP Net, ASP Net Core, MVC, Entity Frame Work, Entity Frame Work Core, Ado.Net, Dapper, XUnit, NUnit, Moq, Web Api, Restful Api, Web Services and other .Net tools and technologies
- SOLID, Dependency Injection, Inversion of Control, Factory, Repository, N-Tier Architecture, Micro Services and other software development and design pattern related tools and technologies
- Kafka, Redis, Druid, MongoDB and other data store and message queue tools and technologies
- MS SQL, Maria DB, Postgre SQL, MySQL, Stored Procedure, TSQL, Performance Optimization, Cassandra, Aero Spike, Partitioning, Indexing, Replication, Always On and other database related tools and technologies
- Grafana, Prometheus and other monitoring related tools and technologies
- IIS, HAProxy and other webservers related tools and technologies
- TFS, Jira, Github, Gitlab, Trello, Redmine, Slack, Azure, Google Cloud Platform, Azure Devops, CI/CD, Scrum, Agile, Kanban and other project management, development, automation, cloud and code repository related tools and technologies
- PowerBI, MetaBase and other business intelligence related tools and technologies
- Visual Studio, VSCode, Rider and other IDE related tools and technologies
- Node js, React js, Redux, Bootstrap, JQuery, Javascript and Other Js and front-end related tools and technologies
- Matlab, Weka, Lucene, Lemure, Java, C, C++ and other languages and computing related tools and technologies
- Neural Network, Deep learning, Decision Tree, Random Forest, Adaboost, Kmeans, DB Scan, Clearance, Principle Component analysis, Feature Selection, Genetic Algorithm and other machine learning related tools and technologies
- Windows server, Mail Server, Domain Name Server, Active Directory, Fail over Clustering, Network Load Balancer and other platforms

- Artificial Intelligence, Machine learning , Natural Language and Text Processing, Data Mining, Social Network Analysis, Pattern Recognition, Advanced Computer Mathematics, Bio Computing and other high-tech and state of the art Concepts

Hands-on Experience

- Selenium integration test
- RabbitMQ and Zero MQ
- Oracle database
- Elastic and Kibana
- NginX as a webserver
- CentOS and Ubuntu as OS
- Spark, Hadoop, Azure DataBricks, Azure Auto ML, Python and other ML related languages, tools and technologies
- Docker, Docker Compose, Kubernetes and other related technologies

Experience

Co-Founder and CTO at [Extudio](#) – 2020-Current
Tehran, Iran

- Providing technical solution to your software problems, including design, development and implementation.

CTO at [RecoverWell](#) – 2019-Current
Los Angeles, USA

- Streamlines access to mental health and substance abuse recovery options.
- Leading a technical team using agile methodology to create a MVP and an Enterprise solution.
- Developing a platform exclusively for use of medical providers, legal counsel and social service advocates.
- TMRI expertly matches patient treatment criteria with qualified rehabilitation treatment facilities.

Co-Founder and CTO at [Adro](#) (Iran's First Ad-Exchange) – 2014-Current
Tehran, Iran

- I'm leading couple of technical teams in an agile methodology across a full development lifecycle creating and developing more than twelve software project and platforms . Those are including:
 - **Demand Side Platform (DSP)**
 - Is a platform for agencies to create and manage their marketing campaign and budgets. It is integrated with RTB to receive all advertising traffics and bids on each request to win the auction. It supports all type of price models and ads.
 - **Supply Side Platform (SSP)**
 - is a platform for publishers how have websites or application, to make it easy to share their ad-places and make money based on cost per click, cost per impression, cost per install and cost per action.
 - **Real Time Bidding Platform (RTB)**
 - is known as a high-tech and high-transactional advertising platform connecting DSPs and SSPs and other RTBs together, to share advertising traffics, holding auctions based on first or second price auction. It handles thousands of requests per second.

- [Ad-network](#)
 - Connecting advertisers and publishers directly. Advertisers can create and manage their marketing campaign and budgets. It supports all type of price models and ads.
- [Ad-server](#)
 - This project is a standalone platform which helps webmasters to manage their ad-places in their websites and mediums dynamically. They can increase their incomes from their ad-places by holding automatic first or second price auctions among their live campaigns.
- [Retargeting Platform](#)
 - is a data-based mechanism that tracks users and their activities in advertisers website and provide some capabilities to retarget them on other sites and ad-networks to increase sales and user retention.
- [Push notification Advertising](#)
 - is a marketing platform enables webmasters and advertisers to send web push notification to their users based on their actions and behaviors. It provides segmentation, scheduled send and targeting.
- [Social Network Advertising](#)
 - is a solution to make advertising easy for advertisers looking to create campaigns and target users of social network media such as Telegram.
- [Affiliate Marketing](#)
 - is an advertising platform in which online businesses improve their marketing performance by compensating third-party publishers to generate traffic or leads to the company's products and services.
- [Mobile Ad-Network](#)
 - is an in-app advertising solution connecting advertisers to publishers. It provides a set of targeting and campaign management and optimization facilities.

Co-Founder and Senior Developer at [Coinet](#) – 2018-Currnet
Tehran Iran

- Developing Iran's First Automated Crypto Currency Online Exchange

Senior Developer at [Azmoon Pardaz](#) Iran Mashhood Audit Firm – 2013-2014
Tehran, Iran

- Working with an energetic team on a rapid and agile development process
- Developing software code based on Solid principles for quality and conformity
- Designing, implementing, testing, debugging, and documenting the developed solutions
- Developing [Sahoma](#) and [Sahoka](#), Tax and Work law platforms.

Free Lancer – 2011-2013
Tehran, Iran

- As an application and website developer I worked on some of my first projects and remotely on some enterprise applications for several companies and organization.

Education

Arak University, Arak, Iran, 2006

Bachelor's Degree in Software Engineering

University of Tehran, Tehran, Iran, 2012

Master's Degree in Software Engineering and Artificial Intelligence

University of Tehran, Tehran, Iran, 2014

PHD's Student in Software Engineering and Artificial Intelligence

Publications

- **Using decision tree to hybrid morphology generation of Persian verb for English–Persian translation.** A Mahmoudi, H Faili. Computer Speech & Language 32 (1), 145-159,2,2015
- **ELEXR: Automatic Evaluation of Machine Translation Using Lexical Relationships.** A Mahmoudi,H Faili, MH Dehghan, J Maleki. Mexican International Conference on Artificial Intelligence, 394-405,2,2013.
- **Modeling persian verb morphology to improve English-Persian machine translation.** A Mahmoudi, H Faili, M Arabsorkhi, Mexican International Conference on Artificial Intelligence, 406-418,2,2013.
- **Supervised Morphology Generation Using Parallel Corpus.** A Mahmoudi, M Arabsorkhi, H Faili. Proceedings of the International Conference Recent Advances in Natural Language Processing RANLP. 1.,2013

Teaching Experience

University of Tehran, Farabi Campus, Qom, Iran, 2016

- Operating System Design
- Database Principles and Concepts

Honors

- Ranked 12th in Information Technology in national university entrance exam - 2012 (Master)
- Ranked 35th in Software Engineering in national university entrance exam - 2012 (Master)
- Ranked 2nd among more than 40 students in Master's Degree - 2014
- Ranked 25th in Software Engineering in national university entrance exam - 2014 (PHD)
- Ranked 1st in the 8th Iran's web and mobile festival with Adro as the best online advertising platform - 2016

Interests

- AI and machine learning application and development
- Block chain application and development
- Crypto currencies
- Basketball
- Music
- Climbing
- Swimming
- Playing Guitar
- Watching Movie
- Travelling

Language

- Persian
- English