

ALI TAHERI MOGHADDAR

Data Scientist

Seasoned Data Scientist/Software Engineer with 12+ years of experience in enterprise solutions and open-source contributions. Lead developer skilled in clear communication, collaboration, and Agile methodologies, eager to solve complex problems and build innovative products.

Professional Experience

Data Scientist

Jun 2023 – Present

AdPlexity (Remote), Kwun Tong, Central

- Designed a set of NLP models to categorize scraped ads. Allowing smart categories to improve filtering by adding 10x more options.
- Integrated state-of-the-art BERT based models to achieve 89% accuracy in multiclass classification.
- Developed an auxiliary tokenizer in Go with 250% higher performance than the python counterpart. Used for parallel preprocessing the inputs to the GPU-Accelerated BERT models in python.

Lead Developer

Sep 2018 – Jun 2023

Aurox LLC (Remote), Dallas, Texas

- Managed a team of 5 skilled developers to build a web-based cryptocurrency trading platform using Typescript, React and NodeJS.
- Engineered the infrastructure in collaboration with the DevOps team allowing high traffic data flows within GCP with 80% better throughput than the previous bare-metal deployment.
- Adopted ML techniques and TensorFlow to develop a framework for designing auto trader bots. Enabling the internal traders to achieve an average of 14% APY by using the platform to develop trader agents.

Full-Stack Developer

Feb 2017 – Aug 2018

Risman, Tehran, Iran

- Collaborated with the team to maintain an enterprise scale Domain Specific IDE (Typescript, React) created for the core banking of Mellat Bank with over nine thousand production-ready forms.
- Proposed and applied architectural changes that resulted in performance improvements of up to 8%.
- Formulated a DSL allowing the form developers to script form logic with zero programming knowledge requirements. The DSL improved the productivity of the form development team by 30%.

Full-Stack Developer, Software Engineer

Dec 2014 – Feb 2017

Control & System Design (CSD), Tehran, Iran

- Engineered and implemented a web based Sales Management System developed with React, Node.js and postgresSQL that resulted in 28% increase in conversion rate in relation to the previous implementation in Windows Forms, Visual Basic and MsSQL.

Software Engineer

Jun 2012 – Dec 2014

National Iranian Oil Company, Explorations, Tehran, Iran

- Authored and maintained a library used by the oil company for graphical seismic reports in C# with 40% better performance and orders of magnitude more features than the previous versions.

CONTACT

- Istanbul, Turkey (Open to Remote)
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SKILLS

Technical:

- Typescript Advanced
- Python Advanced
- SQL Advanced
- C# Advanced
- React Advanced
- NodeJS Advanced
- TensorFlow (py+js) Advanced
- Go Experienced

Techniques:

- TDD/BDD/E2E Advanced
- CD/CI Advanced
- Deep Learning..... Advanced
- NLP Experienced
- ML/AI/Statistics Experienced
- Computer Vision Intermediate
- Cryptography Intermediate

Tools:

- VSCode
- PostgreSQL/PgAdmin
- Redis
- Webpack/ESLint/TSC
- Electron/Chromium/Selenium
- Linux/SoC/ARM
- Git/Github/GitLab
- GCP/Helm Charts/Terraform
- Jira/Bitbucket/Confluence

EDUCATION

Uskudar University

Master of Science

Computer Engineering

Istanbul, Turkey – Sep 2023

Thesis: Fine Tuning Technical Analysis Models Using Evolutionary Algorithms

OTHER

- Open Source Contributions to Material-UI, Typescript, Sequelize and many RTL related utilities
- Many years of teaching and tutoring experience