Ali Khosro

heydari@gmail.com, 253-391-9808, Seattle WA
Resume Website Github Stackoverflow

Recent Work Experience

- Capgemini, Seattle WA

  - Technical Project Manager, February 2022 - September 2022
    - Led a team of data scientists to deliver marketing analytics including personalization, recommendation engine, and data visualization
    - Led a team of data engineers for cloud transformation of analytical solutions from AWS to GCP
    - Led an initiative to implement collaborative trunk-based git development including processes for design, develop, and deploy reviews
    - Led daily scrum, backlog planning, sprint planning using confluence
    - Supervised cloud transformation process including ETL processes in PySpark
    - Supervised a data analytics team to use Looker for analytics and data visualization
    - Technology Stack: Python, Looker, Tableau, PySpark, SQL, Git, BigQuery, GCP, Cloud Storage, Microservices
  - Solution Architect, November 2021 - February 2022
    - Reviewed a failing prediction solution and redesigned the solution resulting in a successful project and regaining client trust
    - Designed MLOps solutions in response to RFPs for various industries

- Infosys, Seattle WA

  - Technical Project Manager for Data Science, October 2019 - November 2021
    - Initiated and led a NoSQL analytical data domain project to provide data warehousing for dashboards and Jupyter notebooks
    - Owned end-to-end analytics data domain including database design and API development
    - Led a team of engineers to refactor a NoSQL solution resulting in reduced cost and simplified solution

- Architected and developed a real-time solution based on Cassandra, NodeJS, Kafka, and Apigee that reduced latency, cost, and bugs
- Led design and code and deployment reviews
- Led daily scrum standup, sprint planning, and backlog cleanup for the offshore team
- Technology Stack: AWS Redshift, NoSQL, Cassandra, ElasticSearch, NodeJs, Python, Postgres, Kafka, Apigee, SQL, Tableau
- Led data engineering and data warehousing teams for multiple emerging solutions
  - Senior Data Scientist, August 2018 - October 2019
    - Coached junior data scientists to develop solutions for predictive models, statistical analysis, and data visualization
    - Extracted insights from data for ad-hoc requests by senior managers using Jupytr, Python, and Tableau
    - Developed various solutions to simplify the technology stack that significantly reduced data bleeding
    - Developed real-time data visualizations for hardware usage preventing server failures
    - Technology Stack: Python, Scikit-Learn, Jupyter, R, PowerBI, SQL, MongoDB
    - Part of Agile leads for feature, release, backlog, and sprint planning

- Accenture, Seattle WA

  - Data Scientist, December 2016 - July 2018
    - Developed internal ML solutions for bug prediction, smart ticket routing, and fraud detection which saved millions of dollars
    - Led a team of developers to implement and deploy the ML solutions
    - Designed a data model for big data in Hive for data warehousing
    - Technology Stack: Hive, MySQL, SQL, Python, Pandas, Scikit-Learn, PowerBI

- Turquoise Partners, Tehran Iran

  - Quantitative Analyst, March 2015 - June 2016
    - Developed a market analysis report for gold and commodity markets based on macroeconomic factors
    - Developed a quantitative market analysis report to predict the exchange rate
    - Developed a macroeconomic analysis of different asset classes for asset allocation

- - Offered highly valuable analytical and quantitative suggestions to the portfolio management committee

- Northern Illinois University, Dekalb IL

  - Teaching Assistant, August 2010 - December 2014
    - Held office hours and taught complimentary classes for Statistics, Financial Economics, and Public Economics

- University of Illinois, Champaign IL

  - Research Assistant, August 2006 - June 2010
    - Automated the statistical analysis of surveys using R
    - Conducted statistical analysis for surveys

- Ashena LTD, Tehran Iran

  - Project Management Engineer, May 2003 - July 2005
    - Led technical project managers in planning, resource allocation, and tracking of their projects
    - Led an initiative to deploy MS Project Server streamlining the project tracking operations
    - Led and coached junior PM engineers to support technical project managers

Education

- ABD in Economics, Northern Illinois University, 2014
- MA in Applied Mathematics, University of Illinois, 2010
- MBA, Sharif University of Technology, 2005
- BS in Industrial Engineering, Sharif University of Technology, 2002

Hands-on Skills

- Delivery Management: Project Management, Agile, Scrum, eXtremen Programming, Git, CI/CD
- MLOps: GCP, AWS, NoSQL, Solution Architecture, Data Architecture, Microservices, Pub/Sub, Kafka
- Programming Languages: Python, JavaScript, Go
- Data Management: Cassandra, Hive, ElasticSearch, MySQL, Postgres, BigQuery

- Machine Learning: Statistical Analysis, Deep Learning, Pandas, Scikit-Learn, TensorFlow