

Ali Khosro

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Resume Website Github Stackoverflow

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

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
 - 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
 - Data Science Manager, 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
 - 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 Jupyter, 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
- 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
- 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

Hands-on Skills

- Finance: Market Fundamental Analysis, macroeconomics, financial economics, financial modeling
- Data Science: Statistical Analysis, Machine Learning, Pandas, ScikitLearn, TensorFlow

- Software Management: Python, JavaScript, Go, Project Management, Agile Delivery, eXtremen Programming, Solution Architecture, Git