

Ali Khosro

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Resume Website Github Stackoverflow

Work Experience

- Senior Solution Architect, Slalom Build, Seattle WA, November 2022 - Present
- Information Technology Transformation Manager, Capgemini, Seattle WA, November 2021 - September 2022
 - led a team of 10+ data scientists and engineers to deliver analytics and machine learning solutions
 - Led BI engineers to build comprehensive dashboards that were critical for the client's board of directors
 - Delivered and productionized multiple data science solutions including recommendation, web traffic analysis, and personalization
 - Transformed team culture from isolated work to collaborative and integrated work through trunk-based monorepo CD/CI and agile methodologies
 - Architected and led the cloud transformation from AWS to GCP for analytics domain
 - Redesigned a failing machine learning solution that regained the client trust
 - Worked with multiple stakeholders to create roadmap, project plan, deliverables, budget, and resource estimation
- Data Science Manager, Infosys, Seattle WA, October 2019 - November 2021
 - Managed end-to-end analytics data domain including data warehouse, solutions, and APIs that reduced latency from seconds to milliseconds
 - Reduced data bleed and latency and maintenance for critical APIs through simplifying the technology stack, refactoring solutions, and transformation to managed services on cloud
 - Created an infrastructure for analytic works by data scientists

- Led a team of engineers to deliver ML solutions including personalization, classification, time series analysis, and data visualization
 - Designed data science and MLOps solutions in response to RFPs for various clients in different industries
 - Transformed the team work environment through establishing a proper MLOps and CI/CD process
 - Led a team of engineers to refactor a NoSQL solution to simplify the tech stack, reduce cost, and stop data bleeding
- Senior Data Scientist, Infosys, Seattle WA, August 2018 - October 2019
 - Developed a real-time solution based on Cassandra, NodeJS, Kafka, and Apigee that reduced latency, cost, and bugs
 - Coached junior data scientists in software development for predictive models, statistical analysis, and data visualization
 - Led a critical cloud migration and refactoring a solution from current tech stack (MySQL, Cassandra, Elasticsearch, Java/Spring) to a modern auto-managed and auto-scaled solution (Astra, NodeJS, Apigee) that greatly simplified the solution, reduced latency, reduced cost, and reduced data bleeding
- Data Science Consultant, Accenture, Seattle WA, December 2016 - July 2018
 - Developed machine learning solutions for bug prediction, smart ticket routing, and fraud detection which saved millions of dollars
 - Designed a data model for large-scale data on Hive tables
 - Initiated and led a NoSQL analytical data domain project to provide data warehousing for dashboards and Jupyter notebooks
- Data Architect, Pointmarc, Bellevue WA, October 2015 - October 2016
 - Architected a data warehouse for analytical needs on AWS using S3 and Postgress
 - Developed a real time visualization systems with Python backend and JavaScript frontend and LevelDB key-value store
- Quantitative Analyst (Python Developer), Turquoise Partners, Tehran Iran, June 2014 - September 2015

- Developed a market analysis report for gold and commodity markets based on macroeconomic factors
 - Developed a quantitative market analysis model to predict the exchange rate
- Research Assistant, Northern Illinois University, Dekalb IL, August 2010 - May 2014
 - Worked on financial models using python and R for correlation between corporate success and corporate governance
- Research Assistant, University of Illinois, Champaign IL, August 2006 - June 2010
 - Automated the statistical analysis of surveys using R
 - Conducted statistical analysis for surveys
- Project Management Engineer, AshenaSecure, Tehran Iran, May 2003 - June 2005
 - Assisted 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

- MA 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

Certification

- Professional Cloud Architect, Google Cloud Architecture

Skills

- Solution Architecture: GCP, AWS, Data Architecture, Microservices, CD/CI deployment, Event-Based Architecture, Cloud Architecture
- Technical Project Management: Agile Methodology, eXtremen Programming, Cloud Architecture
- Data Science: Python, Statistical Analysis, Deep Learning, Pandas, Scikit-Learn, TensorFlow, PowerBI, Time Series Analysis, Classification, Regression, Clustering, Personalization, Real-time Visualization, Business Intelligence
- Data Management: Cassandra, ElasticSearch, BigQuery, MongoDB, Postgress, MySQL, Firestore, SQL, NoSQL
- Full Stack Development: Golang, NodeJS, Typescript, RESTful and gRPC, Microservices, Firebase, Cloud Deployment, Linux, Git, Vite, Lit, React