

Arash Guchani

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EDUCATION

The University of Texas at Austin, Austin, TX July 2023

Bachelor of Science, Computer Science

- GPA 3.6

Noshirvani University of Technology, Babol, Iran Jan 2017

Bachelor of Science, Mechanical Engineering

- GPA 3.2

Technical SKILLS

- Programming Languages: Python, SQL, Java
- Cloud Platforms:
 - AWS: S3, DynamoDB, Lambda, EC2, SNS, QNS, API Gateway, Glue, DataBrew, Step Functions, QLDB, IAM, CloudWatch, EventBridge
 - GCP: BigQuery, Dataform, Cloud Storage
- Tools and Frameworks: Docker, Git, Apache Spark, Apache Kafka, Terraform, Argo, REST APIs
- Data Engineering/Science: Databricks, ETL Pipelines, Big Data, Data Analysis, Data Visualization

EXPERIENCE

H-E-B, Austin, Texas Aug 2022 - Present

Software Engineer I

- Developed multiple secure APIs using AWS services and integrated them with the OneTrust tool to manage customer requests and ensure compliance with the Texas Data Privacy & Security Act (TDPSA).
- Designed and implemented an event-driven architecture using Argo Events, Kubernetes, and Apache Kafka to initiate downstream data pipelines, effectively eliminating the need for cron jobs.
- Built and orchestrated ETL data pipelines in AWS using Databricks, Apache Spark and Argo Workflows, replacing Azure Data Factory to streamline data processing.
- Developed a pre-processing data pipeline hosted on the Google Cloud Platform, utilizing BigQuery and Dataform (SQL) to create feature pipelines for training advanced demand forecasting models.
- Optimized Apache Spark Clusters on Databricks for constructing MOLAP cubes, enabling rapid business analytics on datasets exceeding 12 billion records, resulting in a 73% cost reduction and a 65% improvement in processing time.

H-E-B, Austin, Texas May 2022 – July 2022

Data Solutions Intern

- Designed an event-driven pipeline for a huge dataset with over 275 million data points on AWS using S3, Lambda, Databrew, Step Functions, SNS, EventBridge.
- Performed data quality checks and created scorecards.

H-E-B, Austin, Texas May 2021 - July 2021

Talent Development Intern

- Created Azure QnA Maker bot using Microsoft Azure UI.
- Developed a Natural Language Processing capable bot using Azure Bot framework SDK in JavaScript.