ABID SHAIK
Senior Data Engineer
716-970-9249|abidshariff009@gmail.com|LinkedIn|Website

SUMMARY

As a Senior Data Engineer at Amazon on the Workforce Intelligence team, I play a key role in delivering critical analytics that empower our Talent Acquisition team to enhance features within Amazon's internal hiring platforms. I build centralized data platforms that are used daily by thousands of team members—recruiting coordinators, hiring managers, and senior executives—to improve the candidate experience and reduce hiring costs. Additionally, I've designed and implemented real-time analytics solutions that have optimized workload management for over a million hourly associates globally. My work also includes developing reusable solutions to streamline batch and real-time data transformation pipelines, providing self-service analytics for stakeholders.

EXPERIENCE

AMAZON | GenAI, AWS, Python, SQL, Spark
Sr Data Engineer | Dec 2020 – Present | Dallas, TX

- Developed an agentic AI utility using Q CLI that reduced data ingestion development effort by 90%
- Implemented real-time analytics solutions managing workloads for 1M+ hourly associates globally
- Created data model for centralized metrics library with 200+ core recruiting metrics, eliminating data integrity issues for executive reporting
- Led migration of critical reporting system to microservices architecture, resolving blockers and ensuring smooth platform transitions
- Developed innovative case management tool with cross-functional team, earning leadership recognition for improved user experience
- Reduced operational tickets by 30% through process improvements, runbooks and checklists, enhancing service reliability
- Implemented custom maintenance utility for large-scale data platform, cutting system costs by 50% and improving stability
- Created automation framework reducing time-to-market for new data pipelines by 70%, boosting team efficiency
- Designed security protocols improving incident response capabilities while ensuring data protection and compliance

CGI | AWS, Python, SQL, Informatica, Tableau
Data Engineer | Jun 2015 – Dec 2020 | Dallas, TX

- Implemented AWS systems aligned with compliance standards, reducing security risks by 40% and improving reliability for critical applications
- Deployed scalable, fault-tolerant environments that increased application uptime by 30%, enabling more accessible data workflows
- Led on-prem to AWS cloud migration, cutting infrastructure costs by 25% while enhancing operational flexibility and scalability
- Created centralized data repositories with automated workflows, reducing manual data handling by 50% and accelerating insights for business decision-making

Tech Mahindra | Informatica, SQL, Cognos
ETL Analyst | Feb 2013 – Jul 2014 | Hyderabad, India

- Built decision support model for insurance policies that reduced claims costs by 35%
- Developed scoring model using Informatica Data Quality to automate de-duplication of 50M+ vehicle licenses
- Designed Oracle data repository with Informatica PowerCenter ETL to power 70+ analytic dashboards for $1B+ investment bank

Infosys | Informatica, SQL, Tableau
Systems Engineer | Oct 2010 – Oct 2012 | Hyderabad, India

- Managed financial transactions for multinational bank using Informatica and Oracle DB
- Designed interactive dashboards with drilldowns, guided navigation, filters, and prompts
- Developed automated Unix shell scripts to schedule Informatica jobs, reducing execution time by 70%
- Created automation tool for production support that reduced manual effort by 65%

SKILLS

GenAI: Bedrock, Q, Agentic AI (Q CLI), Titan, Lex, Kendra, Polly, Comprehend

Cloud Platform (AWS): Lambda, EC2, Glue, S3, Redshift, DynamoDB, Athena, EMR, Step Functions, CloudWatch, IAM, Kinesis, SQS, SNS, MWAA, Quick sight

Scripting Languages: Python, SQL, Spark, Scala, Java, Unix

Visualization Tools: Amazon Quick Sight, Tableau, Cognos

Database Management: PostgreSQL, MySQL, MongoDB, Oracle Orchestration Tools: Apache Airflow

ETL Tools: Informatica PowerCenter, Informatica Cloud

EDUCATION

University at Buffalo

M.S, Management Information Systems | May 2014 | Buffalo, NY

GPA: 3.89/4

Vellore Institute of Technology

B.S, Computer Science | May 2009 | Vellore, India

GPA: 8.98/10

CERTIFICATIONS

◇ AWS AI Practitioner
◇ AWS Data Engineer
◇ AWS Solutions Architect
◇ AWS Cloud Practitioner