

ABID SHAIK

Senior Data Engineer

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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, Quicksight

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

Big Data Tech: Hadoop, Spark

Visualization Tools: Amazon QuickSight, Tableau, Cognos

Database Management: PostgreSQL, MySQL, MongoDB, Oracle

Orchestration Tools: Apache Airflow

ETL Tools: Informatica Powercenter, Informatica Cloud

EXPERIENCE

Sr. Data Engineer

Dec '20 — Present

Amazon

Dallas, United States

- Developed an automated agentic AI utility using Q CLI that streamlined data ingestion processes to a central data platform, resulting in a 90% reduction in development effort and significantly accelerating project delivery timelines.
- Designed and implemented real-time analytic solutions that transformed the workload management for over a million hourly associates worldwide.
- Developed the data model for a centralized metrics library containing over 200 core recruiting metrics, which eliminated data integrity issues and improved accuracy for executive reporting.
- Played a pivotal role in migrating a critical data reporting system to a modern micro-services architecture, addressing challenges, resolving blockers, and ensuring smooth transitions to new platforms.
- Led a cross-functional team to create an innovative case management tool that significantly improved user experience, earning leadership recognition for creativity and efficiency.
- Spearheaded process improvements, including developing run-books and checklists, which resulted in a 30% reduction in operational tickets and improved overall service reliability.
- Designed and implemented a custom maintenance utility for a large-scale data platform, reducing system costs by 50% and improving platform stability.
- Developed an automation framework that reduced time-to-market for new data pipelines by 70%, increasing team efficiency and responsiveness to business needs.
- Designed and implemented security protocols that improved the ability to respond to incidents quickly, ensuring data protection and compliance with organizational standards.

Data Engineer

Jun '15 — Dec '20

CGI

Boston, United States

- Designed and implemented AWS systems in line with compliance and security standards, reducing security risks by 40% and improving system reliability for business-critical applications.
- Built and deployed scalable, fault-tolerant environments that enhanced application uptime by 30%, enabling more consistent and accessible data workflows for teams.
- Led cloud migration of on-prem applications to AWS, achieving a 25% reduction in infrastructure costs and supporting increased operational flexibility and scalability.
- Developed centralized data repositories and automated data workflows, reducing manual data handling by 50% and enabling teams to access insights faster, improving decision-making across business units.

ETL Analyst

Feb '13 — Jul '14

Tech Mahindra

Hyderabad, India

- Built a decision support model for Insurance policies, which reduced the cost of Insurance claims by 35%. Published customized interactive reports and dashboards using Tableau Server.
- Developed a scoring model using Informatica Data Quality to automate the de-duplication process of over 50 million passenger vehicle licenses.

- Designed and developed a data repository in Oracle via Informatica PowerCenter ETL processing to re-design 70+ analytic dashboards for an investment bank with \$1B + in assets.

Systems Engineer

Oct '10 — Oct '12

Infosys

Hyderabad, India

- Managed current and historical financial transactions of a multinational bank using Informatica and Oracle DB.
- Designed and developed various OBIEE Interactive Dashboards and reports with drill-downs, guided navigation, filters, and prompts.
- Developed Unix shell scripts to schedule and execute the Informatica jobs in UNIX and optimized the existing Informatica mappings by checking for bottlenecks, reducing the execution time by 70%.
- Automated one of the production support processes by developing a tool that reduced the manual effort by 65%.

EDUCATION

Masters in Information Systems, University at Buffalo (GPA: 3.89)

Buffalo, United States

Bachelors in Computer Science, Vellore Institute of Technology (GPA: 3.7)

Vellore, India

CERTIFICATIONS

AWS Data Engineer (Associate)

Amazon Web Services

AWS Solutions Architect (Associate)

Amazon Web Services

AWS Cloud Practitioner

Amazon Web Services