ABID SHAIK

Data Engineer

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SUMMARY

As a 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 users - 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.

SKILLS

Cloud Platform: AWS
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

Data Engineer   Dec '20 — Present
Amazon   Dallas, United States

- Trained LLMs in AWS Bedrock to build an AI assistant that integrated inputs from internal wiki documents and data from Redshift and DynamoDB, providing self-service analytic and data discovery capabilities.
- 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