ASHISH KUMAR JHA

Cloud Data Engineer

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Summary

Data Engineer with almost 3 years of experience in automating ETL pipelines, real-time data processing, and cloud-based big data solutions. Expertise in AWS (Glue, Lambda, S3), Apache Kafka, Airflow, and PySpark. Proven ability to optimize data workflows, reducing processing time by 65% and improving decision-making speed.Seeking to leverage expertise in scalable data architectures and real-time analytics in a high-impact data-driven team.

Skills

Databases:	MySQL, MongoDB, Snowflake, Redshift, BigQuery, Data Modeling, Data Warehousing
Cloud Services:	AWS (S3, EC2, Kinesis, Lambda, SNS, Glue, IAM, Athena), GCP (BigQuery, Dataflow)
Data Engineering Tools:	Apache Kafka, Apache Airflow, PySpark, ETL, Data Pipelines, Databricks
Programming Languages:	Python, SQL, JavaScript, Bash
Data Processing:	PySpark, PySpark Streaming, Iceberg, Delta Lake
Other Tools:	Git, Monday.com, Visual Studio code, Docker, CI/CD

Experience

Forward Deployment Engineer- SDE1   AVRL — Remote
March 2022 – November 2024

- Utilized AWS services to **optimize system performance** by 20% and handle high data volumes, supporting critical business operations.
- Processed & optimized 10M+ daily records, improving query performance by 40% for advanced analytics and reporting, driving **data-driven decision-making**.
- Developed efficient data processing code, **reducing processing time** by 30% using Python and optimizing ETL workflows.
- Resolved over 100 tickets for legacy systems, improving data **system stability** and achieving a 95% satisfaction rate.
- Reduced manual intervention by 30% through automation in workflows, improving efficiency and processing times.
- Developed and **optimized the frontend** of the internal CACHET tool, **improving user experience** and automation, which contributed to a 30% increase in sales efficiency.
- Achieved client satisfaction ratings of 95% by collaborating on multiple project deliverables and addressing critical issues promptly.
- Led a team of 4, overseeing task management, **ensuring on-time project delivery**, and mentoring team members for skill development.
- Achieved a 5/5 performance rating, reflecting **outstanding client feedback** and significant contributions to project success.

Education

B.Tech in Computer Science and Engineering   Career Point University, Kota
May 2015 - November 2019   PC: 89%

Higher Secondary School   Kendriya Vidyalaya, Kota
April 2013 - July 2014   PC: 80.80%

Certifications & Courses

Complete Data Engineering With AWS   Grow Data Skills
November 2024 – February 2025

- Gained **hands-on experience with AWS**, PySpark, Hadoop, and Hive, focusing on **real-time and batch data processing**.
- Built **multiple end-to-end data pipelines** using AWS services like DynamoDB, Kinesis, Firehose, Lambda, S3, Glue (Crawler, Catalog, Triggers), and Apache Iceberg.
- Utilized Kafka and AWS Athena for stream processing and querying large datasets efficiently.
- Designed and implemented an **incremental data pipeline** integrating AWS S3, Glue, Redshift, Step Functions, SNS, and EventBridge for efficient daily data ingestion.
- Utilized Glue's Job Bookmarking to enable incremental processing and **prevent duplicate data ingestion**.
- Implemented AWS Step Functions to **orchestrate ETL workflows** and ensure **fault-tolerant execution**.
- Established **robust monitoring and alerting** using AWS SNS and EventBridge, ensuring seamless data operations.

Interests

- Workout	Fitness training & GYM
- Guitar	Musician Skills