ASHISH KUMAR JHA

DATA ENGINEER

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SUMMARY

A results-driven and versatile professional with 2.8 years of experience in web development and automation engineering, seeking to transition into a data engineering role. Skilled in designing, developing, and maintaining web applications while optimising workflows through automation and scripting. Proficient in leveraging modern programming languages and frameworks, with a strong understanding of databases, data pipelines, and ETL processes. Experienced in building scalable, high-performance solutions and automating repetitive tasks to enhance efficiency.

SKILLS

Programming	Data Engineering Tools	Cloud Services	Databases	Other
Python, SQL, JavaScript, Bash	Apache Kafka, Apache Airflow, PySpark, ETL processes	AWS (S3, EC2, Kinesis, Lambda, SNS, Glue, IAM, Athena)	MySQL, MongoDB, PostgreSQL, Data Modeling, Warehousing	Git, Monday, Visual Studio

EXPERIENCE

Automation Engineer | Logistics |Remote | March 2022 - Nov 2024

- Enhanced the frontend of the CACHET project for better data visualization, contributing to a 30% YoY increase in sales.
- Developed an end-to-end automation for data extraction and processing, streamlining workflows and delivering filtered data directly to the customer's database. This solution improved data delivery efficiency by 40%, reducing processing time by 65% Achieved a 30% increase in efficiency resulting in a significant reduction in the volume of tickets.
- Resolved over 100 tickets for legacy systems, improving data system stability and achieving a 95% satisfaction rate among internal stakeholders.

PROJECTS

Location Data Ingestion| AWS | Project Link | Oct 2024 - Present

- Designed and implemented a real-time data ingestion pipeline using AWS Kinesis, S3, Glue, and Athena for enhanced data accessibility and query performance, reducing data processing time by 30%.
- Integrated Lambda and SNS for automated notifications, tracking, and logging, ensuring efficient data load processes.
- Skills used : AWS S3, Kinesis, Glue , IAM, SNS, Lambda, Athena

Stock Market Processing | AWS | Project Link | Oct 2024 - Oct 2024

- Built an end-to-end, real-time data processing pipeline for stock market analysis using Apache Kafka, AWS (S3, Glue, EC2), and SQL, improving data availability for real-time insights.
- Enabled faster data-driven decision-making, reducing analysis turnaround time by 40% for investment strategies.
- Skills used : AWS S3, EC2, Athena, Glue Crawler, Glue Catalog, IAM, Apache Kafka

Question Extractor |AWS | Project Link | Sep 2024 – Sep 2024

- This project focuses on understanding and implementing Apache Airflow for orchestrating workflows. It involves extracting questions from a PDF file, processing the data, and storing the extracted questions in a CSV file organized by year. This project will provide hands-on experience with Airflow's workflow management, file parsing, and data transformation techniques.
- Skills used : AWS S3, Lambda, Glue Crawler, IAM, Apache Airflow

Sales Analysis |AWS | Project Link | Aug 2024 – Aug 2024

- Developed a data pipeline that ingests, transforms, and stores large-scale CSV files in S3 using PySpark, enabling rapid retrieval and analysis for sales strategy development.
- Reduced processing time by 50% and optimized storage cost by streamlining data flows within S3.
- Skills used : AWS S3, PySpark, IAM

EDUCATION

Career Point University, Kota, 2015-2019

- B.Tech in Computer Science and Engineering   CGPA: 8.9

Kendriya Vidyalaya Kota, Kota, 2013-2014

- Higher Secondary School   PC: 80.80