AbdoulKaled Ali Seini

Data Engineer - AWS Engineer

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Certified AWS Associate, accomplished Data Engineer with a strong focus on data modeling, with 4+ years of experience implementing data pipelines using different technologies.

EXPERIENCE

ChaoJi Wan Beijing Data Manager (07/2023 – Present)
- Build face recognition application using Python, achieving a 50% reduction in photo processing time, enhancing operational efficiency, and enabling rapid image analysis.
- Designed a scalable database infrastructure utilizing Tencent Cloud services, bolstering data integrity and accessibility; minimized data latency issues, enhancing overall system performance and reliability.

Data Engineer Consulting Beijing, China (09/2019 – 06/2023)
- Developed a real-time streaming project using different technologies such as Python, Amazon EC2, Apache Kafka, AWS Glue, Athena, and SQL.
- Implemented a data pipeline architecture using Apache airflow, Amazon Ec2, S3, and Snowflake.
- Establish automation in managing cloud resources using AWS CloudFormation, reducing infrastructure costs and time-consuming by 20 to 30%.
- Use AWS Lambda to process and clean data and AWS Glue to transform and prepare the data for analysis.
- Analyzed data sets using AWS Athena, SQL, and AWS Quicksight to help companies decide based on findings.

BMW China, Beijing China 01/2019- 08/2019 IT Intern
- Influenced solutions for IT R&D-related activities, web scraping, and automation testing; maintained and updated news and conference room screens.
- Created and executed scripts to scrape images, videos, and news from the company's main website and four other sources daily.
- Engineered a streamlined pipeline for daily data storage, enabling the creation of local websites and increasing the company's visibility and user engagement by 50%.
- Developed a custom Python testing script to rigorously assess new projects and websites, resulting in a 40% reduction in bugs and a 25% increase in overall project efficiency.

CERTIFICATIONS

- **AWS Certified Solutions Architect – Associate By AWS**
- **AWS Certified Cloud Practitioner By AWS**
- **Certified Data Scientist By Simplilearn in collaboration with IBM**

PROJECTS

ETL Pipeline:

- Designed and executed an ETL pipeline with Apache Airflow, Snowflake, and AWS services, enhancing data integration speed by 50% and enabling real-time analytics for improved decision-making. Show more.
- Architected and implemented a real-time streaming pipeline for movie details using Python, Amazon EC2, Apache Kafka, Glue, Athena, and SQL; optimized data processing efficiency by 40% and reduced latency by 50%. Show more.
- Event driven Architecture with S3, SNS, SQS, and Lambda. Show more.

Data Modeling:

- This project orchestrated the acquisition of 10+ diverse datasets, engineered a robust data model, architected tables, and established intricate relationships between tables that optimized query performance in Snowflake. Show more.

EDUCATION

Beijing Technology and Business University
- Master of Science in Computer Science

Beijing JiaoTong University
- Bachelor of Science in Software Engineering

SKILLS

Hard skills: Data Warehousing, Data Modeling, Data Analysis, Data Pipeline.

Technique: Data Engineering, Big Data Analysis, Amazon Web Services (AWS), Extract Transform Load (ETL), Web Scraping.

Tools: Python, SQL, Apache Spark, Snowflake, Hadoop, Apache Kafka, Apache Airflow, NoSQL, MySQL, AWS Glue, Dynamo DB, AWS Lambda, Amazon EC2, PostgreSQL, Tableau.

Languages: English, French, Mandarin.