Tiffany Wang

Objective: Senior Data Engineer (Hybrid, Glendale, CA)
Phone: (626)-223-6123 | Location: Redondo Beach, CA (Hybrid Ready)
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SUMMARY

Senior Data Engineer with 8+ years of expertise in **real-time data pipelines**, **distributed systems (Spark/Databricks)**, and **data governance frameworks**. Proven track record in building enterprise-scale data platforms (Airflow/Snowflake), reducing latency by 50%+, and leading cross-functional teams to deliver SLAs with 99.9% uptime. AWS Certified Architect with hands-on experience in Kafka, Delta Lake, and Agile/Scrum methodologies.

SKILLS

Core Technologies : Airflow^{+} | Spark^{+} | Databricks^{+} | Snowflake^{+} | Kafka
Cloud & Tools : AWS (Glue, S3, Lambda) | Terraform (IaC) | Graph Database (Neo4j)
Data Governance : Metadata Management^{+} | Data Lineage Tracking^{+} | Great Expectations
Collaboration : Agile/Scrum^{+} | Cross-Functional Leadership | JIRA/Confluence

EXPERIENCE

Solution Engineer II

Capital Group, Irvine, CA | Jun 2019 – Apr 2023

- **Enterprise Data Platform Leadership**

  - Led **Airflow-driven ETL pipelines** processing 10TB/day of subscriber data, integrating 15+ sources (CRM, IoT) into Snowflake, reducing reporting latency by 50%.

- Architected **Delta Lake-based data lake** on AWS S3, enabling ACID transactions and schema evolution for real-time analytics.
- Implemented **Kafka streams** for clickstream data ingestion (5K events/sec), triggering personalized content recommendations within 200ms.

- **Governance & Collaboration**

  - Built metadata catalog (AWS Glue + OpenMetadata) with lineage tracking for 100+ datasets, improving data discoverability by 40%.
  - Mentored 5 engineers on Spark optimization, reducing EMR job costs by $80K/year through dynamic resource allocation.

Freelancer

Online AI & ML Program, Remote | Apr 2023 – Present

- **Real-Time Streaming & Graph Data**
  - Designed **Neo4j-powered recommendation engine**, mapping user behavior graphs to improve content engagement by 25%.
  - Automated data quality checks (Great Expectations + Airflow), reducing SLA violations by 30% for 10+ media clients.
  - Partnered with DevOps to deploy **Databricks on AWS** (Terraform), achieving 99.95% uptime for mission-critical pipelines.

EDUCATION

M.S. in Software Engineering
Embry-Riddle Aeronautical University | 2015–2017

B.S. in Computer Science
Nanjing University of Aeronautics and Astronautics | 2012–2016

[†] Matches JD Core Requirements