Tiffany Wang

Objective: Senior Data Engineer at Sketchy
Phone: (626)-223-6123 | Location: Redondo Beach, CA (Remote Eligible)
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SUMMARY

Data Engineer with 8+ years of expertise in **AWS cloud architecture**, **ETL/ELT pipelines**, and **distributed data systems**. Proven track record in building scalable data platforms from scratch, optimizing cloud costs by 30%+, and ensuring GDPR-compliant data security. AWS Certified Architect with hands-on experience in dbt, Redshift, and Datadog. Adept at translating business goals into high-performance data solutions.

SKILLS

AWS Expertise : Redshift (Data Warehousing[†]), S3 (Cross-Region Replication[†]), Glue (CDC Pipelines[†]), Lambda, EMR
ETL/ELT Tools : Airflow, dbt, Spark, Kafka
Languages : SQL (Query Optimization), Python, NodeJS
Monitoring : Datadog[†], CloudHealth
Data Modeling : Dimensional Modeling, Lakehouse Architecture

EXPERIENCE

Solution Engineer II

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

- **AWS Data Pipeline Architecture**

    - Led end-to-end design of **CDC pipelines** using AWS Glue 4.0 & Debezium, reducing data latency to <5 mins and achieving 99.99% consistency for real-time analytics.

- Architected **Redshift RA3 clusters** with dbt-based transformations, improving query performance by 40% and reducing storage costs by $300K/year.
  - Automated cross-account S3 replication for compliance, ensuring data isolation across US/EU regions.

- **Cost Optimization & DevOps**

  - Spearheaded S3 Intelligent-Tiering adoption, cutting annual cloud spend by $1.2M.
  - Implemented Datadog APM for pipeline monitoring, reducing incident escalations by 30% through proactive alerting.

Freelancer

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

- **Scalable ETL & Data Security**
  - Built GDPR-compliant data lakes using **S3 Cross-Region Replication** and AWS KMS, enabling secure access for 10+ global clients.
  - Optimized Spark jobs on EMR (5-node cluster), reducing runtime by 25% through dynamic partition tuning.

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 Sketchy JD Core Requirements