

# Tiffany Wang

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**Objective:** Data Integration Engineer

**Focus Areas:** AWS<sup>+</sup> | Snowflake<sup>+</sup> | ETL Automation | Agile Delivery

Phone: (626)-223-6123 | Location: Redondo Beach, CA (Remote Eligible)

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## SUMMARY

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**AWS-Certified Data Engineer** with 3+ years of experience building **advertising data pipelines** for enterprise-scale systems. Expert in Python<sup>+</sup> (ETL Frameworks), SQL<sup>+</sup> (Type 2 SCD), and AWS<sup>+</sup> (Glue, S3), delivering 70% faster data ingestion for 50M+ user campaigns. Proficient in Snowflake<sup>+</sup> and Airflow<sup>+</sup>, with a track record of implementing SAFe Agile workflows across 10+ cross-functional teams.

## SKILLS

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### Core Stack:

Python<sup>+</sup> (Pandas, Airflow DAGs), SQL<sup>+</sup> (Window Functions, Query Tuning), AWS<sup>+</sup> (Glue<sup>+</sup>, S3<sup>+</sup>, Lambda)

**Data Integration:** Snowflake<sup>+</sup> (SnowSQL), Docker<sup>+</sup>, GitHub Actions<sup>+</sup>, DBT

**ETL Specialization:** Type 1/2 Tables, SCD Implementation, Data Profiling

**Methodologies:** SAFe Agile<sup>+</sup>, Scrum, CI/CD Pipelines

## EXPERIENCE

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### Solution Engineer II

Capital Group | Irvine, CA | 2019–2023

Advertising Campaign Data Warehouse (Snowflake<sup>+</sup>)

- Built Type 2 SCD pipelines using SnowSQL<sup>+</sup>, enabling historical tracking for 100M+ customer interactions
- **Technical Choice:** Migrated from Oracle to Snowflake<sup>+</sup>, reducing query latency by 65% and storage costs by \$300K/year
- Implemented DBT for data transformation testing, improving pipeline reliability to **99.95% uptime**

### Real-Time ETL Framework (AWS Glue<sup>+</sup> + Airflow<sup>+</sup>)

- Orchestrated 50+ DAGs in Airflow<sup>+</sup> to automate campaign data ingestion, reducing manual efforts by 80%
- **Hook:** Containerized Glue jobs using Docker<sup>+</sup>, achieving 30% faster job startup times

## Freelance Data Architect

Online AI & ML Program | Remote | 2023–Present

### Media Attribution Analytics (Python<sup>+</sup>/S3<sup>+</sup>)

- Developed web scraping scripts (BeautifulSoup) + API integrations (Requests) to process 10TB+ ad performance data
- **Automation:** Reduced data cleaning time by 60% via PySpark-based deduplication logic
- Delivered Power BI dashboards tracking \$50M+ campaign ROI, adopted by CMO leadership

### SAFe Agile Data Pipeline Optimization

- Led biweekly sprint planning for 8-member team, accelerating release cycles from 6 → 3 weeks
- **Impact:** Implemented GitHub Actions<sup>+</sup> CI/CD, reducing deployment errors by 45%

## EDUCATION

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

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

Certifications:

- AWS Certified Solutions Architect
- SAFe® 5 Practitioner

**Key Metrics:**

- 65% Query Speed Improvement | 80% Automation Rate | \$300K Annual Cost Savings

**† JD-Aligned Keywords**

AWS/Snowflake/Airflow | Python/SQL | Type 2 SCD | Docker | SAFe Agile