

Tiffany Wang

Objective: Data Engineer II - Healthmine

Focus Areas: SQL Mastery⁺ | ETL Automation⁺ | Data Vault 2.0 | Agile Collaboration

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

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SUMMARY

AWS-Certified Data Engineer with 5+ years of expertise in **enterprise data warehousing** and **logical data modeling**. Expert in SQL⁺ (complex queries, Data Vault 2.0), ETL automation⁺ (Airflow, DBT), and AWS⁺, delivering 65% faster BI insights and 99.95% pipeline reliability. Proven track record in mentoring 8+ engineers and optimizing data workflows for healthcare analytics.

SKILLS

Core Stack:

SQL⁺ (Data Vault 2.0, Star Schema), Python (Airflow⁺ DAGs, DBT⁺), AWS⁺ (Glue, S3, Redshift)

BI & ETL Tools: Power BI⁺, Tableau, Airflow⁺, DBT⁺, GitHub Actions⁺

Data Modeling: Highly Normalized Models, Data Mart Design, CDC Pipelines

Collaboration: Jira⁺, Confluence⁺, SAFe Agile, CI/CD (TeamCity)

EXPERIENCE

Senior Data Engineer

Capital Group | Irvine, CA | 2019–2023

Healthcare Data Vault 2.0 Implementation

- Migrated legacy data warehouse to **Data Vault 2.0** model, enabling **30% faster query performance** for 100M+ patient records
- **Technical Choice:** Implemented DBT⁺ over SSIS for modular transformations, reducing ETL development time by **40%**
- Automated data lineage tracking with OpenLineage, improving audit compliance by **90%**

Real-Time BI Pipeline (Airflow⁺ + Power BI⁺)

- Orchestrated 50+ Airflow⁺ DAGs to update data marts hourly, reducing dashboard latency from 4h → 15min
- **Hook:** Optimized star schema models for 10+ KPIs, cutting Power BI⁺ report generation time by **55%**

Freelance Data Architect

HealthTech Innovators | Remote | 2023–Present

Automated Data Quality Framework

- Built Great Expectations pipelines to validate 500+ data rules, reducing production incidents by **70%**
- **Impact:** Integrated with GitHub Actions⁺ CI/CD, achieving **99.8% data accuracy** for clinical analytics

Agile Data Mart Optimization

- Led sprint planning for 6-member team, accelerating release cycles by **3x** using Jira⁺ and Confluence⁺
- Redesigned ETL workflows with DBT⁺, improving maintainability for 15+ audience-specific data marts

EDUCATION

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
- DBT Core Certification

Key Metrics:

- 65% Query Optimization | 70% Incident Reduction | \$300K Annual Cost Savings

† JD-Aligned Keywords

SQL/Data Vault 2.0 | Airflow/DBT | Power BI | AWS | Jira/Confluence