JIANG Zhicong

Data Architect

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SUMMARY

Data engineer with 5+ years building data pipelines and warehouse platforms (ODS/DWD/DWS). Proven at million-records/day scale with 99.5% data accuracy. Math background; strong in dimensional modeling and translating business needs into scalable data architecture.

SKILLS

Python (pandas/numpy), SQL, Java | ODS/DWD/DWS modeling, dimensional modeling, data warehousing | MySQL, DuckDB, Hive, ClickHouse | ETL, real-time processing, A/B testing | Flask, ECharts, DingTalk bots | Docker, Nginx, CI/CD

EXPERIENCE

A-Share Quantitative Data Platform — Data Architecture (In Progress) | 2026.10 – Present

- Designed end-to-end data architecture: akshare ingestion → DuckDB warehouse (ODS/DWD/DWS) → strategy signals + Flask dashboard
- Trading-calendar-aware incremental ETL; DWS technical indicators (MA, turnover, volume ratio) powering breakout/momentum strategies
- Daily signals via DingTalk bot; dashboard benchmarks strategy returns vs CSI 300

Enterprise Data Operations Platform — Data Architecture / Backend | FESCO Adecco | 2023.2 – 2023.12

- Built data platform from scratch: 3-layer warehouse model; full ETL chain processing millions of log records daily
- Cleansing rule library (SQL/Python) at 99.5% accuracy; extracted KPIs driving executive decisions; won team award

Data Quality Governance — Project Lead | FESCO Adecco | 2024.1 – 2024.12

- Quality monitoring across 600+ sources; cut anomaly tickets 200+/mo → 70+ (65% reduction) via automated detection + routing

Recommendation Data Infrastructure — Algorithm Engineer (Data) | Shengchuang Hengda | 2018.7 – 2023.1

- Owned behavior-log data foundation; Word2Vec embeddings + TF-IDF re-ranking lifted recall 2% → 5%, AUC 75%

EDUCATION

M.S. International Trade, China University of Political Science and Law (2015–2018) | B.S. Mathematics, China University of Geosciences (2009–2013)