



Yyj Gao

SUMMARY

Over 5 years of experience in database design, development, and maintenance of business intelligence applications. Highly-proficient with ETL and BI Stack (Python, Tableau) within large and complex development/production environments. Experience within multiple industries to include banking, technology, research, and healthcare

SKILLS LIST

Database: MS-SQL Server, MySQL, Snowflake, Mongo DB, PostgreSQL, AWS S3

Programming Language: Python, Shell, SQL

Integration Services: SSIS, Informatica

Reporting Services: SSRS, Tableau

Automation Tools: Air Flow, Jenkins, Autosys

Data Modeling: ER-win, MS Visio

PROFESSIONAL EXPERIENCE

ByteDance

Apr 2021 - Present

BI Engineer HR Tech

beijing

- Design team's data Architecture and set SOPs
- Develop custom storage, extract, transform, and load (ETLs) and reporting systems for existing and new data (both structured and unstructured) using a variety of traditional as well as large-scale distributed data systems
- Build and governing matrices for fast changing business in an analytical data-driven approach to identify business issues and opportunities
- Understand the business deeply, through data analysis, research, interviews and other methods to proactively identify and predict strategic issues and come up with feasible recommendation to the stakeholders

NIKE, Inc Greater China

Mar 2019 - Apr 2021

BI Leader

Shanghai, China

- Worked with the business stakeholders (Marketing, Finance, Sales) to transform the business requirements into functional and non-functional requirements
- Identified business requirements and collaborated with the Information Technology team for continuous improvement and of BI technology development
- Designed, implemented, and maintained enterprise-wide, large-scale business intelligence and data visualization platforms (Tableau)
- Supported business departments to mine business data, identify core issues and propose key measures to promote the improvement of operational indicators and business capabilities
- Lead data preparation work, including the sourcing, scrubbing, mining, and integration of relevant data sources, to support the delivery of business intelligence and data visualization solutions (Snowflake, MongoDB, RDS Mysql, Python)

Morgan Stanley China

Jun 2018 - Dec 2018

Senior Data Analyst/ETL Developer

Shanghai, China

- Designed, implemented, and optimized ETL workflows and transformations for OTC trade(including credit,rate,fx,equity)
- Developed complex data mappings for data loading from various source systems to target staging database using Informatica
- Developed database objects such as tables, views, indexes, indexed views, stored procedures, and UDFs (DB2, Sybase)
- Created variety Tableau reports such as FX Semi report for higher manager
- Developed Autosys job flow for coordinate different time zone jobs

Apple Inc

Jun 2017 - May 2018

Data Analyst/DevOps

Cupertino, CA

- Participated in JAD meetings to define technical solutions for the ETL strategy
- Involved in day to day Operation activities such as monitoring database health, job status, addressing user requirements using shell scripts
- Implemented data conversion and data migration techniques at necessary times through the project life cycle
- Developed complex mappings to transform and load data from source systems (Excel, Teradata, Json files)
- Developed data models, database designs, and security system with PostgreSQL
- Designed and developed dashboards with multiple charts, trends, and KPI's utilizing Tableau
- Developed workflows with Apache Air Flow for job scheduling and monitoring data loads

UHG/Monarch HealthCare, Inc

Aug 2015 - Feb 2017

Sr.Database Administrator

Irvine, CA

- Optimized and restructured stored procedures of data applications and reports through runtime evaluation, data table indexing, and partitioning to increase application performance by at least 100%
- Managed security and authentication of data access across users by configuring roles, security groups, and individual permission
- Performed Index analysis for tables and came up with more efficient solutions to use Clustered and Non-clustered Indexes for significant performance boost using execution plan and SQL profiler
- Resolved database integrity, performance, blocking and deadlocking, replication, connectivity, and security issues
- Collaborate with technical team members, business liaisons, and end-users to deliver enterprise data integration ETL (extract, transform, and load) solutions
- Scheduled and delivered on-demand reports for business analysis utilizing SQL Server Reporting Services

EDUCATION

UNIVERSITY OF DETROIT MERCY

Sep 2012 - Apr 2015

Environmental Engineering MasterGPA:

Detroit,MI

- 3.90
- Honors/Awards:First Place of Kern Entrepreneurially Minded Project Award

MISCELLANEOUS

- **Certifications:** Microsoft MCSA: SQL Server 2012/2014