

Lien Chen

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SKILLS & TOOLS

Programming Languages: Python, SQL (PostgreSQL, MS SQL Server), R

Cloud Platforms: Azure, Google Cloud Platform (GCP)

Tools: Docker, Apache Airflow, SSIS, PowerShell, Git

WORK EXPERIENCE

Associate Data Engineer— Hunter Engineering Company, Bridgeton, MO

Full Time June, 2022 - present.

- Proficiency in SQL, including performance tuning and optimization.
- Strong experience building ETL Pipelines using Python.
- Experience with Linux operating systems.
- Automation, data optimization, CI/CD, and infrastructure redesign for enhanced scalability.
- Understanding of SQL and data best practices and proficient with data flows and data modeling
- Work in a professional environment and interact/network with staff and leadership.

ENGINEERING EXPERIENCE

Airflow

Proficient in Linux environments with over 500 hours of hands-on experience.

- Installed and configured Apache Airflow in Docker environments on 10+ projects.
- Set up and managed 20+ workflows using Apache Airflow for job scheduling and management.
- Orchestrated ETL pipelines through Directed Acyclic Graphs (DAGs) in Airflow for data processing tasks, achieving up to a 30% increase in data pipeline efficiency.

Azure Cloud Database

Perform data modeling and schema design for efficient data storage and retrieval

- Collaborated with the mid-tier team to support data-driven decision-making.
- Developed and maintained stored procedures, views, and functions in SQL Server, enhancing ETL processes by 35%.
- Created data transfer pipelines between Azure services and on-premises systems, boosting network throughput by 95%.

EDUCATION

Saint Louis University, MS, Health Data Science— 2023