LARRY LY

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SKILLS:

- **Database Systems**: PostgreSQL, SQL Server, MySQL, Google BigQuery, Amazon Redshift, Firebase
- **Cloud Platforms**: AWS (S3, RDS, Lambda), Firebase (Realtime Database, Firestore)
- **Data Transfers & Formats**: FTP, CSV, JSON, XML
- **Data Ingestion**: Batch, Schema and real-time data ingestion
- **Programming Languages**: Python, SQL, Bash
- **External API Ingestion**: RESTful API integration
- **Data Integration**: Data mapping, data transformation, data validation, data anomaly reports
- **Development Tools**: CLI, Git, GitHub

EXPERIENCE:

Data Analyst, Pramira Inc.   Aug 2019 – Nov 2023 – *Tustin, CA*

- Developed and maintained ETL processes to streamline the extraction, transformation and loading of data from multiple sources including network tests, survey evaluations, and network integrations.
- Improved accuracy of survey measurement by 5% through a revamp of data collection measuring tools, radio frequency testing equipment within the data collection process significantly boosting stakeholder confidence and satisfaction.
- Integrated Firebase Realtime database for data storage and synchronization of data.
- Implemented Firebase Firestore for structured data storage and efficient data retrieval.
- Authored detailed reports from evaluations, tests, and implementations to inform stakeholders and support business decisions.

Data Analyst, Zillow Group   Apr 2015 – June 2019 – *Irvine CA*

- Designed and managed schemas for PostgreSQL and SQL-Server databases.
- Normalized databases and developed SQL queries for data retrieval and manipulation.
- Implemented primary/replica database architectures using AWS RDS for increased reliability and performance.
- Integrated data across 3000+ data sources utilizing FTP transfers and external APIs.
- Developed ETL processes to integrate data from CSV, JSON and XML files into centralized databases.
- Implemented data mapping to ensure accurate data transformation and integration.
- Assisted in creating data validation checks boosting the monthly data accuracy rating to over 97%.
- Authored comprehensive documentation for data extraction processes provided to data vendors, ensuring clarity and consistency.
- Maintained exceptions report containing data anomalies to be reviewed and utilized for data validation optimization.
- Ensured timely completion of production tasks through communication and weekly meetings with data vendors.

VOLUNTEERING:

The Data Squad, Feb 2022 – Apr 2022

Taught basic database management skills for students in technology program.

CERTIFICATIONS:

Associate Data Analyst Certification, DataCamp, *May 2024*
Data Structures & Algorithms, Udacity, *July 2023*
Frontend Development & Design, The Hong Kong University of Science and Technology, *May 2022*