Juan Yu

Software Engineer

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Highly motivated software developer with a passion for designing clean, efficient, and scalable code. Possess strong organizational skills and adhere to coding best practices and standards. Strong leadership abilities and have a proven track record of providing exceptional customer service.

WORK EXPERIENCE

Intermediate Engineer (Full Stack)   Apr 2022 – Feb 2023

VideoAmp, Los Angeles, CA

- Designed and implemented Airflow DAGs to extract and process third-party measurement data from Postgres and Snowflake, generating JSON files that were uploaded to AWS S3 buckets for Facebook
- Generated business-critical data reports in Snowflake and/or Postgres, transforming the data in Tableau
- Improved ETL pipelines by implementing new features and bug fixes, resulting in increased efficiency and accuracy. Revised the schedulers to also acquire missing metadata
- Developed new components in the API layer, increasing the functionality and usability of the system
- Resolved complex issues in dynamic query builders, improving the accuracy and relevance of data

Senior Data Engineer   Aug 2020– Apr 2022

Music Reports, Inc., Woodland Hills, CA

- Designed and developed database objects, functions, and stored procedures
- Optimized ETL pipelines and queries to improve performance and enhance user experience
- Improved the quality of data by maintaining correctness and linking missing metadata
- Maintained queries to calculate high-volume royalties and ensure great accuracy in tracking reports

Sr. Oracle Engineer   May 2016 – Nov 2019

Trifecta Clinical, Los Angeles, CA

- Designed a new rating quiz system to satisfy intra-rater reliability training to determine consistency of users for a new client (Rating Quiz System)
- Key engineer in the redevelopment of a safety reporting system, designed to distribute safety notification letters to sites involved in clinical trials and generating over 4 million records, resulting in improved performance, a streamlined hierarchy, and an enhanced customer experience (Safety Vigilance 3)
- Implemented a new feature to grant Principal Investigators the ability to securely delegate sensitive duties while maintaining safety compliance (Delegation of Signatures)
- Automated and streamlined the billing reports for safety letters, reducing processing time by over 50% and minimizing the risk of human error (Safety Vigilance Billing)
- Enhanced the letter signing process to include a feature essential to the company's acquisition of its first Japanese client (Safety Signature Questions)

EDUCATION

University of Texas at Austin, Austin, TX

Bachelor of Science — Computer Science

SKILLS & OTHER

Programming: Java, Python, SQL (Oracle, Postgres, MySQL), PL/SQL, Snowflake, Cassandra, Kafka, Spark, JavaScript, TypeScript, Svelte, JSON, Go, HTML, CSS, Tailwind, C++, Scala, DBT, API, gRPC
Tools: Amazon Web Services (AWS), Google Cloud Platform (GCP), JupyterLab, Airflow, GitHub, Tableau, Docker, Postman, Jira, Confluence, JetBrains