

Danish Iryandy

Data Engineer | Database & Automation Specialist

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Professional Summary

Data Engineer with deep experience in SQL, production-grade data pipelines, and database optimization. Skilled in end-to-end ETL development, access control, and performance tuning, including cursor-based efficiency strategies. Proven ability to support CI/CD deployments, create Denodo integrations, and manage cross-environment database workflows. Known for translating complex technical requirements into scalable, secure solutions and providing clear, actionable insights to both technical and non-technical stakeholders from UAT to deployment.

Professional Experience

Data Engineer | Accenture | Singapore

Jun 2024 – Present

- Designed and enforced enterprise-grade database access protocols, managing granular privileges across UAT, Pre-Prod, and Production environments.
- Strategized and reviewed indexing designs to optimize high-impact queries, reducing execution time by up to 90% and improving system performance.
- Developed and maintained over 30% of the team's production-grade ETL logic using advanced SQL stored procedures for transformation and cleansing.
- Converted resource-intensive set-based queries into efficient cursor-driven procedures, minimizing CPU and memory usage in critical workflows.
- Built deletion procedures with archival logic to align source, standardized, and cleansed data layers for downstream team consumption.
- Implemented timeliness checks using timestamp deltas and row comparisons, with delays surfaced via Tableau dashboards for client monitoring.
- Led UAT efforts including scenario creation and execution, coordinating with developers and business users to ensure delivery quality.
- Worked with developers to implement CI/CD features such as environment targeting and multi-delimiter support, aligning releases across environments.
- Created and deployed Denodo views and APIs for integration with CP4D and other systems.
- Reviewed pull requests for views and tables using VSCode and GitHub, co-managing the main deployment repository and fully owning a secondary database.

- Liaised with clients of varied technical backgrounds, translating complex database concepts into simple, actionable information.

Education

Temasek Polytechnic | Specialist Diploma, Business Analytics

Expected October 2025

Ngee Ann Polytechnic | Diploma, Chemical Engineering

May 2022

Institute of Technical Education | Nitec in Chemical Process Technology

May 2018

Skills

Languages & Tools: SQL, Python, IBM Db2, Denodo, GitHub, Jupyter, Pandas

Data Engineering ETL Development, Data Cleansing, Cursor Optimization, Stored Procedures, Timeliness Checks

Database: Access Control, Performance Tuning, Indexing Strategies, Automation, CP4D

Soft Skills: Stakeholder Communication, Documentation, CI/CD Collaboration, UAT Management

Certificates

- Data Analytics Specialization | Google | 2022
- Singapore Junior Water Prize - Certificate of Participation | ITE | 2018
- Director's List | ITE | 2017, 2018
- GSK Book Prize | ITE | 2018