LANCE SANCHEZ

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TECHNICAL SKILLS

Cloud & Data:	AWS Glue (PySpark), Step Functions, Lambda, S3, Redshift, ETL, query migration
Databases:	PostgreSQL, MySQL, SQL, query optimization
Infrastructure & CI:	CloudFormation, Terraform/OpenTofu, GitLab CI/CD
Languages & Testing:	Python, pytest, Flask, JavaScript, HTML/CSS

WORK EXPERIENCE

Jarvis Analytics / Henry Schein One *Aug 2020 – Present*

Data Engineer *Nov 2024 – Present*

- **Pipeline Optimization:** Optimized AWS Glue (PySpark) and Step Functions pipelines for incremental warehouse loads into Redshift, improving raw-to-staging performance and reliability.
- **Orchestration:** Extended orchestration across Step Functions, Lambda, S3 and Redshift COPY, adding watermark-based incremental processing and concurrency guards.
- **Query Migration:** Contributed to migrating MySQL report queries to a unified PostgreSQL schema across multiple source systems, and built automated validation (template rendering, syntax parsing, column-parity checks).
- **Infrastructure as Code:** Maintained multi-environment infrastructure (testing, stage, prod) in CloudFormation, and added Terraform/OpenTofu for EventBridge schedules, deployed through GitLab CI with OIDC.
- **Testing & Documentation:** Added pytest coverage for Glue, Step Functions and Lambda logic, and documented the unified query package for analytics users.

SQL Developer *Aug 2020 – Oct 2024*

- **Query Optimization:** Wrote and tuned complex SQL (joins, aggregations, indexing) for reporting and analytics, reducing slow-running reports.
- **Legacy Report Rebuilds:** Rebuilt legacy reports from the underlying database when documentation was missing, matching the original output.
- **Data Support:** Supported multiple customer data sources and troubleshot data discrepancies in report results.
- **Internal Tools:** Maintained Python API syncs that stored source data in the database, and built internal tools.

Zoog Technologies, Inc. *Jun 2018 – Aug 2018*
Intern

EDUCATION

Mindanao State University – Iligan Institute of Technology *Iligan City, Philippines*
Bachelor of Science in Computer Science, major in Software Engineering *2014 – 2020*
Honors: Academic Distinction Award, College Dean (January 2020)

References available upon request.