Kyle Jovanovic | Principal Data Engineer

CONTACT

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GITHUB github.com/Tonic-n-Jin

EDUCATION

Pennsylvania State University
Bachelor of Arts, Economics

MODERN DATA WAREHOUSING

**< > Programming Languages**
- 🐍 Python
- SQL (T-SQL, PL/SQL, SnowSQL)
- Regex

Technology Stack
- ❄️ Snowflake
- dbt-core
- AWS S3
- Prefect

Business Intelligence Tools
- Qlik Sense
- IBM Cognos Analytics
- Microsoft Power BI

LEGACY DATA WAREHOUSING

< > Programming Languages
- Bash
- PoSh
- VBS

RDBMS
- SQL Server (SSMS)
- MySQL
- Oracle Database
- PostgreSQL

B2B Integrations
- IBM Sterling B2B Integrator
- IBM Integration Bus
- Altova XMLSpy

CERTIFICATIONS

CSCP - Certified Supply Chain Professional

LCHB - Licensed Customs House Broker

SUMMARY

Data & Analytics Engineering leader with 8+ years designing/developing scalable stored procedures on local and cloud based servers. I have advanced knowledge optimizing SQL execution plans with 2+ years developing Snowflake data pipelines (including Snowpark procs). Between 2015-2023 I managed 3 locally hosted production databases and automated three critical business processes:
- Workload distribution and milestone monitoring utilizing lambda architecture resulting in 60% reduction in transactional processing time
- Data quality validation and revision outlined in customer contracts and set at 99.97% accuracy for critical metrics
- Qlik Cloud dashboard generation utilizing ODAG functionality and MDS technologies (dbt-core, AWS Lambda, Snowflake) reducing delivery time from weeks to minutes

PROFESSIONAL EXPERIENCE

Data Engineer — 2023 - 2024
PSA BDP - Philadelphia, PA 19106
- Developed Snowflake ELT migration plan for 2 locally hosted relational databases consisting of 300+ procs and ~100 views, a key milestone in PSA BDP's data modernization strategy.
- Deployed layered architecture to the cloud-based Enterprise Data Warehouse (EDW) via dbt-core, CI/CD automation, Snowflake, VS Code, and GitHub.
- Deployed Qlik Cloud products including On-Demand App Generation (ODAG) resulting in self-service analytics for 250+ business users.
- Partnered with PSA data science team to operationalize machine learning models in Snowflake, enabling real-time predictive analytics and enhancing decision-making capabilities across the organization.
- Developed and deployed Snowpark UDFs to standardize data transformations centralizing business logic andreducing data type runtime errors for downstream consumers.

Project Manager - Business Transformation — 2020 - 2023
BDP International - Philadelphia, PA 19106
- Collaborated with executive leadership and Accenture to document the Enterprise Operating Model, defining multi-year data strategy and aligning technology investments with business objectives.
- Created architecture diagrams, technical roadmaps, and solution documentation for executive review and cross-functional stakeholder delivery.
- Led cross-functional teams for F&A Business Process Outsourcing (BPO) across OTC, PTP, and RTR functions resulting in a projected $8m savings actualized over 5 years.

Senior Manager - Data Analytics — 2018 - 2020
BDP International - Philadelphia, PA 19106
- Managed and mentored a team of 8+ data professionals to implement data governance and quality assurance best practices outlined in The Code of Federal Regulations (CFR).
- Deployed Qlik Sense workflow management system automating the collection, ingestion, and transformation of datasets hosted by multiple organizations resulting in 60% reduction in transactional processing time.
- DBA for local production server - architected star, snowflake, and galaxy schemas dependant on use case.
- Deployed JWT SQL Server REST API to securely integrate with customer SAP S/4HANA.

Manager - Operations & Compliance — 2016 - 2018
BDP International - Philadelphia, PA 19106
- Led onboarding of BASF account and managed 15+ team members, driving a 20% year-over-year increase in gross revenue.
- Automated data quality validation and implemented revisional scripting to meet 99.97% accuracy KPIs as outlined in customer contracts.
- Led development for SOAP system integration between customer ERP (SAP) and internal ERP, mapping proprietary positional files to internal XML/XSD standards.

Developer - System Integrations — 2015 - 2016
BDP International - Philadelphia, PA 19106
- Developed integration processes using IBM Sterling Integrator to transform X12 and EDIFACT EDI data into standardized XML/XSD formats.