

John Y. Miller

Enterprise Data Architecture · Data Warehousing · Governance

Snowflake · Azure · AWS · dbt · Cortex AI

Engagements: contract · fractional · remote or SF Bay Area onsite

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13 wk
 Secure Snowflake platform
 carried dev → prod for a bank

~\$2M/yr
 Saved for an asset manager
 by redesigning data sharing

2
 U.S. patents in data quality
 (incl. ML rule generation)

25+ yrs
 Across financial services,
 public sector & enterprise

◆ SUMMARY

Snowflake and enterprise data architect with 25+ years across financial services, public sector, and enterprise clients. Former **Snowflake Senior Solution Architect** and resident architect at leading financial institutions; I design and deliver secure, governed **data warehouse, lakehouse, and data-mesh platforms** on Snowflake, Azure, and AWS — with deep governance, security, and compliance practice. I translate business needs into data solutions and provide technical leadership to data engineering and analytics teams. Two U.S. patents in data quality; organizer of the **Snowflake Bay Area Users Group**.

◆ CORE SKILLS

Data Architecture

Enterprise data architecture
 Data modeling
 Warehouse / lake / lakehouse
 Data mesh
 Medallion
 Semantic models
 Data contracts
 Data sharing
 Integration

Snowflake

SQL
 Tasks
 Streams
 Dynamic Tables
 Stages · Pipes
 Catalogs · Iceberg
 dbt · SchemaChange
 Cortex AI (Agents · Search · Analyst)
 Turnkey EDW provisioning
 Performance & cost

Cloud & Data Eng

Azure (Synapse · ADF · Fabric · ADLS Gen2 · DevOps · Entra ID)
 AWS (S3 · Athena)
 GCP
 Python · Bash · Spark
 Talend · Matillion · Fivetran · Airflow
 ETL / ELT · CI/CD

Governance & Access

Two-layer RBAC (13 principles)
 Policies · tags · masking · row-access
 SSO (SAML2) / SCIM
 PrivateLink
 SOX · CCPA · GDPR
 Collibra · Alation · OpenMetadata · BigID · Informatica

BI & Analytics

Power BI
 Tableau
 Cortex Analyst
 Semantic models

AI-Native / Agentic

Agent harnesses (Skills · SubAgents · Memory)
 Claude Code · OpenAI Codex · Cortex Code
 RAG
 Knowledge graphs · taxonomies

◆ EXPERIENCE

Milbird — Founder

January 2025 – Present

San Francisco, CA

- Designed and delivered a secure, governed Snowflake platform for a commercial bank in a **13-week dev-to-prod engagement**: Azure AD SSO + SCIM (SAML2), two-layer RBAC (**20 custom roles, 3,700+ grants**), 4-layer defense in depth, and a dbt medallion foundation whose parameterized scripts stand up prod from the same source as non-prod.
- Turned unstructured lending documents into a Snowflake-native, AI-powered data asset for a healthcare-practice lender — pipeline **processed 67 documents, normalized 460 terms to 25**, and shipped **4 live Snowflake-native AI apps** (a Cortex Agent, a Cortex Search service, Cortex Analyst over semantic views, and a Streamlit app), packaged as a reusable knowledge-discovery framework.

BBI — VP Strategy

March 2023 – February 2024

San Francisco, CA

- Stood up BBI's Snowflake Solutions practice; reached **Snowflake Select Partner** status with a new sales and delivery capability.
- Led a Snowflake architecture assessment for a Travel & Entertainment client and solution architecture for a credit-bureau services provider in financial services.

- Delivered AI-integrated data governance (OpenMetadata + generative AI), an internal data marketplace with data contracts, and a LangChain/Streamlit RAG system for internal knowledge access.

Snowflake — Senior Solution Architect, Financial Services Strategy

June 2021 – March 2023

San Francisco, CA

- Served as Resident Solution Architect and Technical Account Manager for financial-services clients including **City National Bank, DTCC, MetaBank, and New American Funding**.
- Designed and executed Snowflake data strategy, architecture, and roadmaps aligning the platform to business goals.
- Delivered best-practice engagements across governance, security, cost management, data engineering, and access management; **saved an asset-management client ~\$2M/year** by redesigning data sharing.

Accenture — Data Strategy, Solution Architect & Data Engineering

June 2019 – May 2021

San Francisco Bay Area · joined via Clarity Insights (acquired by Accenture, June 2020)

- Data program lead for a utility: delivered the data platform driving customers to a conversational-AI chatbot, cutting handled call volume and cost to serve (Genesys, Oracle, Informatica, Cognos, SQL, Python).
- Solution lead for a wealth-management firm: designed and built governed self-serve analytics, reducing outage risk and cost (AWS, Snowflake, Denodo, Tableau, Cloudera, SQL Server).
- Technical architect for an insurer: migrated Teradata to Snowflake with Informatica under data-governance requirements.

Silicon Valley Data Solutions Group — Founder & Solution Architect

December 2017 – 2019

San Francisco Bay Area · independent consulting practice (continued intermittently through 2024)

- Led incorporation of Azure data and analytics services into a global bank's data-science teams — a compliant, auditable, repeatable platform (Azure Machine Learning, Azure Data Factory, Azure Data Lake).
- Added automation and auditing to model-development processes to meet bank regulations (FastScore, Airflow, Spark, Jupyter); led machine learning for muni-bond pricing enabling price-transparency compliance.
- Delivered data governance for statewide contact-center KPIs on a State of California CCaaS rollout — cross-team profiling and validation plus an automated toolkit on Snowflake, AWS Athena, Tableau, and Python.

Camus Group, LLC — Founder

December 2015 – June 2017

San Francisco Bay Area

- Founded a practice connecting Bay Area data / data-science startups into the Fortune 500; clients included Accenture, EY, Trifacta, Diyotta, and OSIsoft.

Accenture — Partner, Global Chief Architect – Data Insights R&D

September 2008 – July 2015

Toronto, Canada & San Francisco, CA

- Built the Accenture Data Supply Chain architecture — integrating Hadoop, NoSQL, and web-scale tech with classic warehouse/lake design — plus a globally adopted data-literacy curriculum.
- Created the Data Quality Rules Accelerator, an AI/ML technique generating data-quality rules from existing data, adopted into smart-grid architecture and at enterprise clients (**basis for two U.S. patents**).

Earlier: Global CTO, Energy Practice — Information Management, HP (2007–2008) · CTO, Knightsbridge Solutions (1999–2007) · Senior Consultant, Emergent (1997–1998) · Systems Engineer, IBM (1993–1997)

◆ LEADERSHIP & COMMUNITY

- **Organizer**, Snowflake Bay Area Users Group
- **VP of Programs & Board Member**, DAMA Los Angeles; Host, "DAMA LA Presents"
- **Board Member**, DAMA San Francisco Bay Area

◆ EDUCATION

- **Simon Fraser University** — B.A.Sc., Computer Engineering (1987–1993)
- **Northwestern University** — Executive Education: Leading High-Impact Teams (2000)

◆ LANGUAGES

- English (native) · French (professional working)

◆ CERTIFICATIONS

- Snowflake **SnowPro Core**
- **AWS Certified Solutions Architect – Associate**
- Snowflake DCDF (training badge)
- Google Generative AI Fundamentals · Responsible AI · CD & DevOps

◆ PATENTS

- **US 8,412,735** — Automated data-quality rule generation (conditional functional dependencies)
- **US 8,666,919** — Data quality management: profiling, linking, cleansing & migration