

# KRISHNA NIDADAVOLU

Senior Data Engineer • Cloud Data Modernization • Snowflake | AWS | Azure & Microsoft Fabric

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AWS Solutions Architect - Associate • U.S. work authorized — no visa sponsorship required

## PROFILE

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Senior Data Engineer with 15+ years in enterprise data and 7+ years architecting cloud-native platforms on Snowflake, AWS, Azure Data Factory, and Microsoft Fabric. Lead modernization programs that retire legacy SQL Server marts, replace DataStage ETL with cloud-native ELT, and stand up secure serverless data products for analytics and customer-facing apps.

## SELECTED ACHIEVEMENTS

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- **Cut reporting query time ~40%:** Migrated a legacy on-prem SQL Server Data Mart to Snowflake — designed warehouses, RBAC, and resource monitors and translated complex T-SQL into Snowflake SQL using Streams + Tasks, improving end-user reporting query performance by ~40%.
- **Shipped serverless data portal:** Architected a serverless financial data portal on AWS using Cognito, API Gateway, Lambda, and DynamoDB — implemented multi-tier hierarchical authorization and securely brokered access to FIS Global banking APIs through private endpoints + AWS Secrets Manager.
- **Hybrid cloud modernization:** Built hybrid-cloud orchestration with Azure Data Factory and Microsoft Fabric Data Factory — lifted on-prem EDW into Fabric Warehouse, then drove Fabric DataMart loads from stored procedures.
- **Event-driven orchestration:** Designed event-driven Fabric pipelines (event streams + activators) that auto-trigger downstream Fabric loads on DataStage completion and refresh MicroStrategy reports — eliminating manual hand-offs in the daily batch.
- **Lakehouse engineering:** Engineered PySpark notebooks in Databricks for Lakehouse staging — file validation, transformation, archival, and traceability for idempotent reruns.
- **Reliability:** Hardened the legacy DataStage ecosystem (ingest from 15+ core banking systems and external SOAP/REST APIs) with a real-time monitoring pipeline and operational dashboard, giving Operations first-time visibility into batch performance.
- **Platform migrations:** Migrated DataStage 8.1 → 9.1 in production with no downtime; led DataStage → SSIS migration tasks at Whataburger; converted PL/SQL packages into modernized DataStage jobs at NY DOH.
- **Cross-industry depth:** Drove ETL frameworks for healthcare (HCSC), Medicaid analytics (NY DOH), retail (The Children's Place / Whataburger / Payless), and HR/EPM (USAA) — Type 1/2 dimensions, surrogate keys, parallel/partition tuning, Quality Stage cleansing.

## CORE SKILLS

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**Cloud Platforms:** Snowflake • AWS (Redshift, S3, Glue, Athena, Lambda, API Gateway, Cognito, DynamoDB, Secrets Manager) • Azure Data Factory • Microsoft Fabric (Data Factory, Lakehouse, Warehouse)

**Programming & SQL:** Python, PySpark, SQL (advanced/perf tuning), PL/SQL, T-SQL, UNIX shell

**Orchestration & ETL:** ADF, Fabric Data Factory & Activators, IBM DataStage 11.7, Apache Airflow, Control-M, UC4, Zena

**Modeling & DBs:** Star/Snowflake schemas, SCD 1/2, dimensional & relational design • Snowflake, MS SQL Server, Oracle, DB2, Netezza, DynamoDB

**Security & DevOps:** AWS IAM/Cognito/Secrets Manager, RBAC, Solix data masking, Azure DevOps CI/CD

**Reporting:** MicroStrategy, Cognos

## EXPERIENCE SNAPSHOT

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**National Cooperative Bank** • Arlington, VA

Sep 2020 – Present

*Senior Data Engineer*

- Lead Snowflake migration, AWS serverless portal, Azure/Fabric hybrid pipelines, Databricks Lakehouse engineering, and DataStage modernization across the enterprise data platform.

**The Children's Place** • Secaucus, NJ

Aug 2018 – Aug 2020

*Lead DataStage Consultant*

- Designed promotions/POS ETL with parallel + partition jobs; built XML SAP ↔ POS integration via Hierarchical and MQ stages into Netezza.

**NY State Department of Health** • Albany, NY

May 2017 – Aug 2018

*Lead DataStage Consultant*

- Built parallel ETL for Medicaid enrollment/eligibility; modernized PL/SQL packages into DataStage jobs feeding Cognos.

**Health Care Service Corp. (Accenture)** • Chicago, IL

Jan 2016 – May 2017

*Lead DataStage Consultant*

- Designed parallel ETL frameworks on IBM Information Server with SCD, partitioning tuning, master sequencers, 24x7 production support.

**Earlier Roles** • Whataburger, USAA (Accenture), Payless Shoe Source

Aug 2010 – Oct 2015

*Lead / Senior DataStage Consultant & Developer*

- Built EDW ingest from Oracle/Netezza/DB2/SQL Server with Quality Stage cleansing; led DataStage 8.1 → 9.1 upgrade and DataStage → SSIS migration; standardized job templates and parameterization.

**EDUCATION & CERTIFICATIONS**

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**Master's Degree** • Graduated 2010

**AWS Certified Solutions Architect – Associate**