

BHUPESH CHADHA

Sr. Principal Data Architect | Enterprise Data & Cloud Platform Leader

| NY / NJ Metro

PROFESSIONAL SUMMARY

Enterprise data and platform architect with **20+ years, hands-on across every layer** — setting technical strategy, owning delivery, and running **24x7 production operations** for mission-critical programs on **AWS, Azure, and GCP**, with deep **SQL, Oracle PL/SQL, Snowflake, Databricks, Microsoft Fabric, Greenplum, MS SQL Server** and **ETL/ELT across all Informatica versions (PowerCenter 7–10, IICS), SAP BODS, Talend, and ODI**, plus **dbt, Spark, Kafka, Iceberg, Airflow / MWAA, Terraform, Collibra, and Snowflake Cortex AI**. Inventor of a multi-tenant tax engine on a Snowflake Medallion architecture that saved millions.

TECHNICAL SKILLS

Cloud & AWS	AWS · Microsoft Azure · GCP · S3 · EKS · MSK · Lambda Functions · Athena · Glue · EMR · Kinesis · MWAA · Aurora · DynamoDB · Redshift · Redis
Microsoft & Azure	Microsoft Fabric (OneLake) · Azure Data Factory · Synapse · Azure DevOps · MS SQL Server
Data & Lakehouse	Snowflake (Snowpipe, Secure Data Sharing, Cortex AI) · Databricks (Delta Lake, Unity Catalog, Mosaic AI) · Medallion Architecture · Apache Iceberg · Parquet · Hudi · Athena / Glue Catalog
Streaming & Big Data	Apache Kafka / MSK · Apache Flink · Apache Spark & PySpark · Kinesis · EMR
Databases	Oracle · PL/SQL · SQL · MS SQL Server · Greenplum · Teradata · PostgreSQL / Aurora · DynamoDB · Redis
ETL / ELT & Orchestration	Informatica (all versions: PowerCenter 7–10, IICS/IDMC) · dbt (DBT) · Delta Live Tables · Databricks Workflows / Lakeflow · Snowpark · Snowflake Dynamic Tables, Streams & Tasks · AWS Glue · Azure Data Factory · Kafka Connect / Debezium CDC · Coalesce · Fivetran HVR · Matillion · Talend · SAP BODS · ODI · Snowpipe · Autosys · Airflow / MWAA
Governance & DataOps	Collibra · Golden Source (master & reference data / EDM) · Terraform · Kubernetes (EKS) · CI/CD
Operations & Support	24x7 production support · Incident, problem & change management · On-call rotation & escalation · RCA · SLA / OLA governance · Splunk · BigPanda · AppDynamics
AI / ML & Analytics	Snowflake Cortex AI · Databricks Mosaic AI · GenAI · Agentic AI · RAG / LLM · Power BI · Tableau
Leadership	Architecture strategy & roadmaps · Executive alignment · Multi-year program delivery · Vendor strategy

PROFESSIONAL EXPERIENCE

Broadridge Financial Solutions	Oct 2022 – Present
Sr. Professional Solutions Architect	Tax Development & Reporting
- Invented the firm's multi-tenant tax engine — re-architected from Broadcom Greenplum onto a Snowflake Medallion architecture with dbt and Secure Data Sharing, consolidating dozens of single-tenant environments into one governed platform and saving millions. - Owned migration of Greenplum/Oracle warehouses to AWS and Snowflake — S3 lake with Apache Iceberg via Athena/Glue, Snowpipe and Fivetran ingestion, Coalesce and dbt ELT on Terraform — onboarding cut from 2–3 years to 2–3 months. - Delivered Snowflake Cortex AI and Databricks Mosaic AI (GenAI, Agentic AI, RAG/LLM) into data workflows and Power BI across AWS, Azure (Data Factory, Synapse, Microsoft Fabric/OneLake) and GCP. - Architected real-time ingestion on Kafka/MSK, Apache Flink, and Spark Streaming with Lambda functions, EKS services, Aurora PostgreSQL, DynamoDB, and Redis caching for low-latency tax-lot lookups. - Established a Golden Source for security, reference, and client master data governed in Collibra — one source of truth for tax calculation, reconciliation, and regulatory reporting. - Standardized orchestration and observability — Autosys and MWAA scheduling monitored through Splunk, AppDynamics, and BigPanda — sustaining 99.9%+ SLA adherence through peak tax season. - Own 24x7 production support and operations for the platform — follow-the-sun on-call, incident and problem management, RCA, change control, and peak-season readiness across dozens of client environments.	

PROFESSIONAL EXPERIENCE (CONTINUED)

Broadridge Financial Solutions

Jul 2015 – Oct 2022

Sr. ETL Architect / Data Architect

Enterprise Data Warehouse

- Designed a new Enterprise Data Warehouse on **Greenplum** and **Oracle** for IRS tax reporting (1099-B/R/Q, 5498, 529), consolidating vendor clients — EDJ, Wells Fargo, JPM, UBS, OPCO, Barclays — into a single tax-reporting application.
- Built **Informatica** and Talend pipelines with source-to-target mappings for 1099 and Name & Address reporting; authored complex **Oracle PL/SQL** and **MS SQL** procedures, and tuned Greenplum compression, distribution keys, and partitioning.
- Initiated the migration of the on-prem warehouse to **AWS** and **Snowflake**, defining the ELT patterns, **Autosys** scheduling standards, and mainframe EBCDIC/VSAM ingestion later adopted firm-wide.
- Ran production support for year-end tax cycles — batch monitoring, escalation, and SLA reporting through peak IRS filing windows.

Barclays Wealth · New York, NY

May 2014 – Jul 2015

Sr. Data Architect

Cost Basis 1099-B & Client Reporting

- Engineered cumulative and correction cost-basis gain/loss reporting across all three regulatory phases (EESA), achieving zero IRS rejections and 99.9% accuracy on 2M+ tax lots reconciled annually.
- Re-engineered ETL mappings and built reusable **Informatica** web services (WSDL/SOAP) for YETRS year-end files via NDM — ~40% lower batch runtime and ~30% less duplicate ETL effort.

Barclays Capital · Jersey City, NJ

Nov 2011 – May 2014

Sr. ETL Developer / Data Architect

Consolidated Stock Record

- Consolidated seven settlement systems (FISS, GOS, BPSA, IMPACT, Loanet) into a single ODS and data mart on **Oracle/PL/SQL**, cutting global position reconciliation from hours to minutes.
- Delivered 100+ ETL objects and an application framework (Event Channel) with data controls and exception management — ~35% fewer data defects and ~50% faster issue resolution.

EARLIER CAREER

Jan – Oct 2011	Amazon Audible , Newark NJ — Informatica Architect / Lead · D-Mart ETL development
May – Dec 2010	Bank of America Merrill Lynch , New York — ETL Lead · GMI Investment Banking Data Warehouse
Jun 2009 – Apr 2010	Bank of America , Charlotte NC — Sr. ETL Developer · Global Customer Integration Architecture & Risk Management
Mar 2008 – May 2009	NYK Systems , Secaucus NJ — ETL Lead · MIS Data Warehouse on Oracle Data Integrator
Dec 2005 – Feb 2008	GE Real Estate & Healthcare — ETL Informatica Developer · Risk, finance & asset-management data marts

EDUCATION

Master of Computer Applications, 2005 — BBA University, Lucknow, India

Bachelor of Computer Applications, 2002 — Kurukshetra University, India