

Guddappa Hallalli

Senior Data Engineer

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Profile Summary

Senior Data Engineer with 8+ years of experience in designing, developing, and migrating enterprise-scale data pipelines. Expertise in Informatica PowerCenter, IICS/CDI, SQL, Snowflake, Python, and Unix. Strong background in Big Data and Cloud environments with hands-on exposure to modern data stack tools including dbt, Airbyte, Airflow, and Databricks.

Technical Skills

- ETL & Integration: Informatica PowerCenter, IICS/CDI, DEI, IDQ
- Databases & Cloud: Snowflake, Oracle, SQL Server, MySQL, DB2, AWS S3
- Programming: SQL, PL/SQL, Python, Unix Shell Scripting
- Big Data: Hadoop (HDFS, Hive), Databricks (Spark)
- Modern Stack: dbt, Airbyte, Apache Airflow

Modern Data Stack — Hands-on Experience

- dbt (Snowflake): Built staging, mart, and incremental models with tests and documentation
- Airbyte: Configured Snowflake-to-Snowflake pipelines using Full Refresh and Incremental sync modes
- Apache Airflow: Developed DAGs with task dependencies, branching, and scheduling
- Snowflake: Implemented ingestion using Stages, COPY INTO, Streams, Tasks, Snowpipe
- Databricks: Developed Spark scripts and pipelines using Delta Live Tables and materialized views

Professional Experience

KPI Partners — Senior Data Engineer (Mar 2025 – Apr 2026)

Client: Avery Dennison (Manufacturing)

- Designed ETL pipelines to migrate legacy data to Fusion systems across APAC and South America regions
- Conducted end-to-end impact analysis across business domains ensuring data consistency
- Developed Informatica mappings and workflows for large-scale data processing
- Optimized Snowflake data loads for performance and scalability

Accenture — Application Development Senior Analyst (Oct 2021 – Mar 2025)

Client: Central Bank of UAE (Banking)

- Automated ingestion of unstructured Excel data using Python, reducing manual effort by 60%

- Implemented IDQ rules for data profiling, validation, and scorecard generation
- Built metadata-driven ingestion pipelines into Hadoop (HDFS/Hive)
- Developed shell scripts for SFTP automation and workflow execution

Client: Ministry of Culture

- Implemented API-based ingestion pipelines using parameterized shell scripts
- Processed JSON data and loaded into SQL Server using SCD Type 2 logic
- Ensured historical tracking and data consistency

Client: Honda / Pfizer — Cloud Migration

- Migrated on-prem PowerCenter jobs to Informatica IICS/CDI
- Re-engineered mappings for Snowflake targets
- Resolved post-migration issues ensuring functional parity

TCS — System Engineer (Dec 2017 – Oct 2021)

- Developed DataStage parallel jobs for insurance domain applications
- Implemented MQ-based inbound/outbound integrations
- Built SFDC replication pipelines using Informatica
- Developed Oracle ETL bridges and financial metrics reporting

Education

B.E. — Malnad College of Engineering, Hassan (VTU), 2017, 8.89

PUC. — Devika Pu science college Ranebennur (Karnataka State Board), 2013, 83.5

SSLC. — Govt High School Gudihonnatti (Karnataka state Board), 2011, 82.88

Awards & Recognition

- Accenture: ACE Awards, Recognition Award
- TCS: Multiple Gems Awards (Star of Month/Quarter, Best Practice)