Iresh Agrawal

Data Engineer

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SUMMARY

Results-driven Data Engineer with **3.5+ years** of experience designing scalable data solutions across **Azure Databricks** and **Snowflake** platforms. Expert in complex data modelling, proficient in both **Medallion** and **Data Vault 2.0** architectures for global Retail and Insurance clients. Skilled in **PySpark, SQL, and Shell scripting**, with deep expertise in **CI/CD orchestration (Jenkins)** and database change management. Proven track record of optimizing pipeline performance by **62.5%** and ensuring 100% SLA compliance through rigorous automation and testing.

SKILLS

- **Cloud & Data Warehousing:** Snowflake, Azure Databricks, Azure Data Factory (ADF), AWS S3, ADLS Gen2, Unity Catalog.
- **Languages & Scripting:** SQL (Advanced), PySpark, Scala, Shell Scripting, Python, XML.
- **Data Architecture:** Data Vault 2.0 (Hubs, Links, Satellites), Medallion architecture, ETL/ELT Design, Data Modelling, Star Schema, Data Governance.
- **DevOps & Tools:** Jenkins, GitHub/Git, Azure DevOps CI/CD Pipelines, JIRA, Rally, DBVisualizer, Putty/MobaXterm.
- **Visualization:** Microsoft Power BI, Microsoft Excel.

EXPERIENCE

Clairvoyant / EXL Services   Gurgaon / Pune India

Senior Executive-Software Engineer   **July 2025 – Present**
Client: Global Insurance Leader (AIG)

- **Snowflake Data Vault Engineering:** Developing scalable Data Vault 2.0 models (Clean, Raw, & Business Vault) utilizing Hubs, Links, and Satellites to track historical data, supporting analytics for a major insurance portfolio.
- **CI/CD & Release Management:** Orchestrating database schema evolution via Jenkins and GitHub, utilizing XML-based Master Change Logs to manage script dependencies across Dev, QA, and Prod environments.
- **Pipeline Automation:** Executing automated Shell-based data loads via SSH into Snowflake (AWS S3 backend) and managing global configuration updates using SQL upsert strategies.
- **Environment Management:** Streamlined multi-project deployments (e.g., GOALD, IFED) by configuring Jenkins build parameters, validating data integrity via DBVisualizer.

Capgemini   Gurgaon & Bengaluru India

Client: Global FMCG/Retail Giant (Unilever)

Associate Consultant   **Nov 2023 – July 2025**

- **Migration & Optimization:** Led Unity Catalog implementation and a 50TB+ data migration, reducing runtime by 62.5% and production issues by 98%.
- **Pipeline Engineering:** Optimized SQL/PySpark pipelines and orchestrated 100+ ADF data sources, cutting processing time by 50% and improving efficiency by 40%.
- **DevOps Leadership:** Managed DevOps workflows and delivered 10+ critical projects with 100% on-time completion and zero defects.

Senior Analyst   *July 2022 – Oct 2023*

- **Production Support:** Resolved **95%** of production issues within SLA and implemented regression frameworks, ensuring **99.9%** system stability and reducing downtime by **40%**.
- **Automation:** Automated ETL processes and developed **Power BI** dashboards, reducing manual intervention by **40%** and improving reporting efficiency by **45%**.

Data Engineering Intern   *Jan 2022 – June 2022*

- Created Azure Data Factory pipelines for structured/semi-structured data and collaborated on code reviews and data quality troubleshooting.

EDUCATION

Bachelor of Technology in Electronics and Communication   Bhopal, Madhya Pradesh

Vellore Institute of Technology   August 2018 - September 2022

KEY ACHIEVEMENTS

Silver Star Award

- Awarded Exceeding Award for exceptional contributions to data engineering projects and client satisfaction in EXL.
- Awarded Silver Star Award twice for exceptional contributions to data engineering projects and client satisfaction in Capgemini.

CERTIFICATION

- Microsoft Certified: Azure Data Engineer Associate (DP-203)
- Microsoft Certified: Azure Fundamentals (AZ-900)
- Databricks: Generative AI Fundamentals
- Capgemini: Jr. Data Engineer (Level 1 and 2) and Data Engineer Level 1