



Job Title: Lead Data Architect

Experience: 8 - 13 Years

Location: Mumbai/Pune/Bangalore (Hybrid)

Role Overview

We are looking for a highly experienced **Lead Data Architect** who can design scalable, reliable, and high-performance data architectures. The ideal candidate brings strong technical design expertise, hands-on experience with modern data platforms, and the ability to drive end-to-end data strategy across engineering, analytics, and business teams.

Key Responsibilities

Data Architecture & Design

- Define and own the **end-to-end data architecture**, including data ingestion, processing, storage, modeling, and governance.
- Architect scalable **data lake, lakehouse, and warehouse** solutions using modern cloud-native platforms.
- Establish **data modeling standards**, ensuring optimal performance and usability for downstream systems.

Technical Leadership

- Mentor and guide Data Engineers and DataOps engineers in technical implementation.
- Evaluate architectural trade-offs and choose appropriate technologies aligned with business needs.
- Ensure adherence to **best practices** in data engineering, reliability, observability, and platform design.

Data Pipeline & Platform Strategy

- Oversee the development of robust **ETL/ELT frameworks**, orchestration, and pipeline design.



- Integrate data quality checks, governance standards, and metadata management.
- Partner with Platform Engineers to ensure scalable, secure, and automated data platform operations.

Cross-Functional Collaboration

- Work closely with stakeholders, data scientists, product owners, and engineering teams to translate business needs into technical solutions.
- Communicate complex architectural concepts clearly to both technical and non-technical audiences.

Documentation & Standards

- Maintain architectural diagrams, data flow maps, schemas, and technical documentation.
- Establish reusable architectural patterns and frameworks for engineering teams.

Must-Have Skills

- Bachelor's/Master's in Computer Science, Data Science, Engineering or equivalent.
- **8–13 years** of experience in Data Engineering/Data Architecture roles.
- Strong expertise in:
 - Data modeling (OLTP/OLAP)
 - Data Lakes / Lakehouses
 - Distributed data systems & big data architecture
 - Modern cloud platforms — **AWS/Azure/GCP**
 - Apache Spark, Kafka, DBT, Databricks
- Hands-on experience architecting large-scale **data ingestion, transformation & streaming** systems.
- Proficiency in Python/Scala/SQL.
- Experience designing **reliable, scalable, and secure** data platforms.

Nice-to-Have Skills

- Knowledge of AI/ML pipelines and feature store architectures.
- Exposure to MLOps or real-time analytics systems.
- Certifications in cloud architecture or big data technologies.
- Experience working in agile, fast-paced engineering environments.