

Ref. No : **AF/D-Arch/2024/JD/01**

Detailed Job Description

Job title : Data Architect
Reporting to : Team Lead
Salary : Industry par CTC
Hours : Full time
Location : Hebbal office, Bangalore.

Job Brief

We are seeking an experienced **Data Architect** to lead the design, development, and implementation of robust data solutions on cloud platforms. This role is pivotal for shaping our data strategy and architecture, ensuring it aligns with business goals, supports data-driven decision-making, and scales to meet evolving needs. The ideal candidate should have a strong background in data architecture, cloud implementations, and big data technologies, with a deep understanding of AWS, Azure, and Google Cloud environments.

Job Description

Key Responsibilities

1. Data Architecture Design & Development

- Develop and implement data architectures that support data integrity, security, and accessibility across cloud platforms (AWS, Azure, Google Cloud).
- Design, develop, and implement scalable data architectures that support business intelligence, analytics, and reporting needs.
- Define and model data structures and data flows, working closely with software developers and data analysts.
- Develop and maintain comprehensive documentation on data models, data flows, and data transformations.

2. Data Integration & Management

- Oversee the integration of data from multiple sources to create a centralized and easily accessible data environment.
- Manage ETL (Extract, Transform, Load) processes and ensure data accuracy and consistency.
- Implement data management solutions, including data warehousing, data lakes, and data marts, on cloud or on-premise platforms.

3. Data Governance & Compliance

- Define and enforce data governance policies, ensuring data integrity, quality, and security.
- Collaborate with compliance and security teams to meet industry standards and regulatory requirements.
- Implement access control and data protection measures in alignment with company policies.

4. Performance Tuning & Optimization

- Monitor and optimize data performance, ensuring data availability and reliability.
- Optimize data architectures to support large-scale data processing and high-performance analytics applications.
- Troubleshoot data-related issues and perform root cause analysis for data quality issues.
- Recommend and implement best practices for performance improvements and data recovery strategies.

5. Collaboration & Communication

- Work closely with business stakeholders, data analysts, and IT teams to understand data needs and requirements.
- Mentor junior data team members and provide guidance on best practices in data architecture and management.
- Stay up-to-date with industry trends, emerging technologies, and best practices in data architecture.

Academic & trades qualifications

- Bachelor's degree in Computer Science, Information Technology, or a related field.

Work experience & skills

- **Experience:** 6-10 years in data architecture, data engineering, or a related field.
- **Technical Skills:**
 - Proficiency in SQL and NoSQL databases (e.g., PostgreSQL, MySQL, MongoDB).
 - Experience with cloud data platforms (e.g., AWS, Azure, Google Cloud).
 - Hands-on experience with ETL tools and frameworks (e.g., Apache NiFi, Informatica).
 - Familiarity with data modeling and design tools (e.g., ER/Studio, PowerDesigner).

- **Soft Skills:** Strong problem-solving abilities, attention to detail, excellent communication skills, and the ability to work collaboratively.

Preferred Qualifications

- **Data Integration & ETL Tools:** Experience with ETL and data integration tools (e.g., Alteryx, Informatica, Talend, Apache NiFi).
- **Real-Time Data Processing:** Experience with real-time data streaming and processing.
- **Machine Learning Integration:** Familiarity with integrating data architecture to support machine learning and AI solutions.
- Experience with data warehousing solutions like Snowflake or Amazon Redshift.
- Knowledge of data governance frameworks and best practices.
- Familiarity with scripting languages (e.g., Python) and data analytics tools (e.g., Tableau, Power BI).

Why Join Us?

- Competitive salary and benefits package.
- Inclusive work environment that values diversity and innovation.
- Opportunity to work in a collaborative and innovative environment.
- The chance to work on impactful projects with cross-functional teams that drive business success.
- Flexible working hours.
- Exposure to diverse projects and an international client base.
- Access to continuous learning and development resources.
- Access to training resources and opportunities for professional development and career advancement.