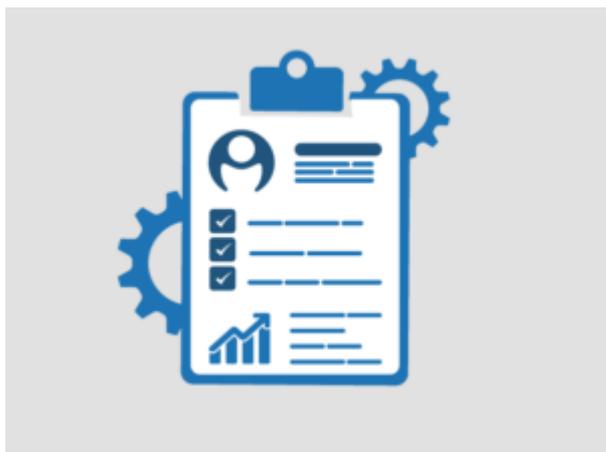# [Data Architect Job Description](#)



## DATA ARCHITECT RESPONSIBILITIES INCLUDE:

- Developing database solutions to store and retrieve company information
- Installing and configuring information systems to ensure functionality
- Analyzing structural requirements for new software and applications

## JOB BRIEF

We are looking for a Data Architect to build, optimize and maintain conceptual and logical database models.

For this role, you should know how to analyze system requirements and implement migration methods for existing data. Hands-on experience with SQL and Oracle is also required. Ideally, you are familiar with predictive analysis and data visualization techniques using relevant tools (e.g. Tableau, D3.js and R.)

Ultimately, you will develop database solutions to ensure company information is stored effectively and securely.

## RESPONSIBILITIES

- Develop database solutions to store and retrieve company information
- Install and configure information systems to ensure functionality
- Analyze structural requirements for new software and applications
- Migrate data from legacy systems to new solutions
- Design conceptual and logical data models and flowcharts
- Improve system performance by conducting tests, troubleshooting and integrating new elements
- Optimize new and current database systems
- Define security and backup procedures
- Coordinate with the Data Science department to identify future needs and requirements
- Provide operational support for Management Information Systems (MIS)

## REQUIREMENTS

- Proven work experience as a Data Architect, Data Scientist, Data Analyst or similar role

- In-depth understanding of database structure principles
- Experience gathering and analyzing system requirements
- Knowledge of data mining and segmentation techniques
- Expertise in SQL and Oracle
- Proficiency in MS Excel
- Familiarity with data visualization tools (e.g. Tableau, D3.js and R)
- Proven analytical skills
- Problem-solving attitude
- BSc in Computer Science or relevant field