



## **Vacancy: Data Architect**

The role is an experienced professional responsible for the data architecture, modelling, design, infrastructural deployment of data warehouse and with hands-on experience with Business Intelligence (BI) and Data warehouse (DW) implementation methodologies and technologies. The candidate should have prior experience delivering full suite implementations of BI/DW and understands business, systems, and data challenges, and translate them into requirements and solutions. The candidate must have full mastery of cloud technologies and have experience architecting and implementing solutions on premise and in the cloud environment. The candidate will be hands-on and be able to work with other data scientists in the team.

The selected candidate will build and support a custom data warehouse. He/she will play a critical role in all phases of the solution's life cycle, including participating in or leading requirements definition, data analysis, data modelling, data warehouse development, modelling, infrastructure procurement and piloting emerging technologies and toolsets, ETL design and development, data integration from disparate data sources, reports creation and deployment, and database cleansing efforts.

## **Responsibilities**

- Combine input obtained from all stakeholders to develop robust Business Intelligence/Enterprise Data Warehouse (BI/EDW) strategy, data repositories and architecture.
- Create the blueprint for data management systems to integrate, centralize and maintain data sources.
- Responsible for working with a full range of data technologies and architectures including big data platforms, master data management and multiple reporting and analytics frameworks and tools.
- Responsible for implementing a unified data integration strategy that will streamline and modernize the acquisition, processing, storage and analysis of data across different internal and external systems
- Design, develop and optimize data warehouse with flexible and scalable data and ETL architecture, to support specific needs.
- Deliver on overall data analytics strategy and build integrated solutions that are in line with the architecture framework and meets business requirements.
- Design and document data architecture at multiple levels (high-level to detailed) and across multiple views (conceptual, logical, physical, data flow and sequence diagrams)
- Provide active "hands-on" architectural guidance and leadership through the entire lifecycle of development projects
- Put processes around metadata to ensure an integrated definition of data for enterprise information, and to ensure the accuracy, validity, and reusability of metadata.
- Participate in developing consistent definitions for common reference data and master data management.
- Hands-on experience in infrastructure deployment on-premises and excellent mastery of the cloud option.

- Manage all aspects of a BI technical roadmap, including platform requirements and support for end-user BI tools (Tableau, Power BI, QlikView, etc.)
- Provide leadership and guidance regarding data modelling best practices, data governance and quality practices. Ensure data adheres to enterprise governance standards and maintain credibility and reputation of high-quality data.
- Define and implement integrations between source data and data warehouse as needed to ensure data integrity and support data & reporting requirements
- Ensure that the Master Data Management (MDM) strategy enable compliance with applicable controls, policies and standards
- Develop and manage effective collaborative relationships with other team members on the project and extended stakeholders.
- Keep current on big data and data visualization technology trends, evaluate, work on proof-of-concept and make recommendations on the technologies based on their merit.

### **Requirements:**

- Bachelor's degree or equivalent in information science, data management, computer science or related field preferred.
- High degree of flexibility and ability to work with various stakeholders
- Outstanding communication skills, including the ability to effectively present information in both technical and non-technical terms, including the capability to translate technical matters to a non-technical audience
- Strong consulting skills and mindset; prior experience on large scale project
- Enjoy working in a fast-paced, agile environment and resolve unplanned incidents quickly.
- Excellent team player with the ability to influence others.
- Self-motivated, proactive, independent and responsive; requires little supervisory attention
- Strong analytical, communication, teamwork, and interpersonal skills

### **Technical Requirements:**

- Minimum 5 years of professional experience with BI/DW implementations and enterprise data management space with 3 years of experience in technical or solutions architecture.
- Extensive knowledge of data warehousing and business intelligence best practices, processes, tools, standards, and methodologies
- Outstanding knowledge of Data Modelling and Database Design
- Significant hands on technical experience leading the design and supporting the strategic direction and deployment of DW/BI Architecture, including:
  - Data repositories, tools and archiving strategy and processes
  - Cloud platforms (Preferably with Azure, experience with AWS, Google, etc. is a plus)
  - Ability to interpret functional requirements, perform system analysis, and provide architectural expertise with a focus on Data Architecture
  - Rich hands-on experience in relational databases such as MS SQL Server
  - Proven capabilities in project management

**To apply**, send CV to [olubayo@datasciencenigeria.ai](mailto:olubayo@datasciencenigeria.ai) with Subject as

**DATA ARCHITECT**

**For more information about Data Science Nigeria, please check:**

Website: [www.datasciencenigeria.org](http://www.datasciencenigeria.org)

Email: [info@datasciencenigeria.org](mailto:info@datasciencenigeria.org)

Twitter: [Datasciencenig](https://twitter.com/Datasciencenig)

Instagram: [Datasciencenigeria](https://www.instagram.com/Datasciencenigeria)

Facebook: [facebook.com/datasciencenig](https://www.facebook.com/datasciencenig)

YouTube: <https://goo.gl/Vcjjyp>

Annual report: [http://bit.ly/DSN2019\\_Annual\\_Report](http://bit.ly/DSN2019_Annual_Report)

Deck: <http://bit.ly/2IL7owl>

For videos and other reports, you can see a link to 25 key milestones of the non-profit via this link [\*\*https://goo.gl/Hc5Bhd\*\*](https://goo.gl/Hc5Bhd)