Global Sales Data Analytics
Technology Architecture

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Architecture Diagram:
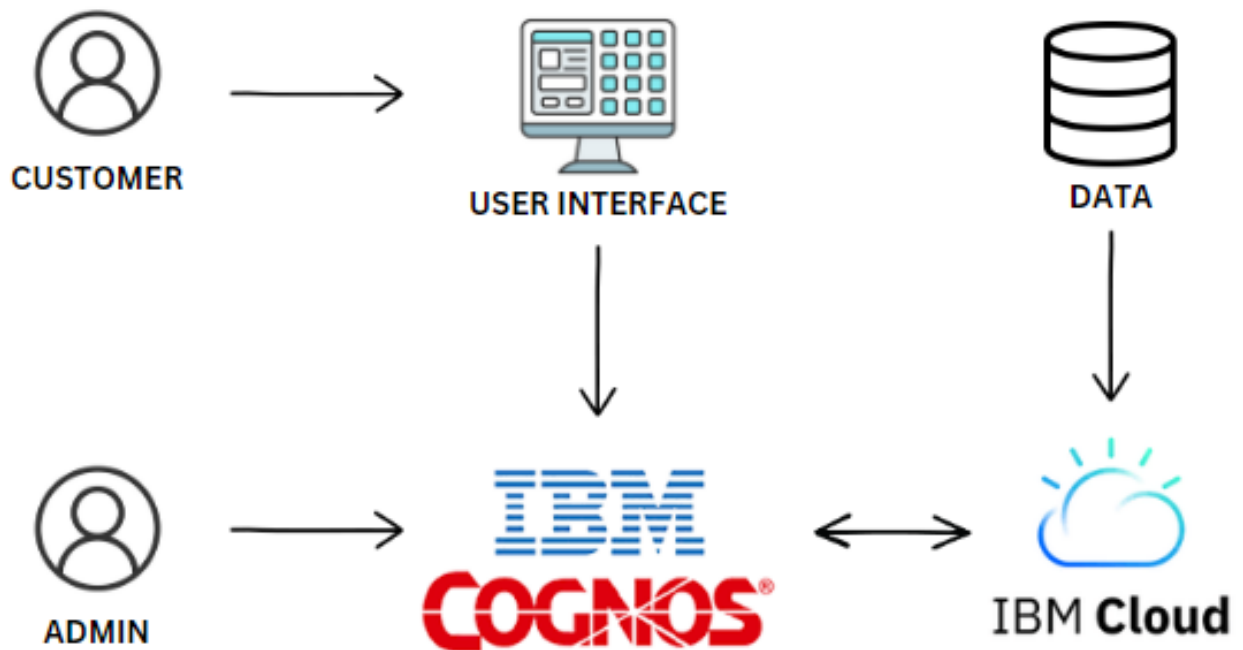
Components & Technologies:

S. No.	Component	Description	Technology
1.	User Interface	Customer and Admin will be able to register login and use the functionalities available to them.	HTML
2.	Data Collection	User gives the dataset on which the visualizations have to be performed.	Python
3.	IBM Cognos Analytics Dashboard	Performs visualizations on the given dataset and give insights to the customers.	IBM Cognos Python
4.	Infrastructure (Server/Cloud)	Default	Flask

Application Characteristics:

S. No.	Component	Description	Technology
1.	Visualizations	Visualizations are performed on the Global Sales Data to give insights to the customers on how to maximize profit.	IBM Cognos Analytics
2.	Availability	Decentralized storage and distribution along-with web application approach make the servicehighly available.	IBM Cloud
3.	Data	The Dataset contains all the features regarding the Global Sales and needs to processed to get a proper understanding of the dataset.	Dataset
4.	Scalable Architecture	Since the application servers can be deployed on many machines. Also, the database does not make longer connections with every client – it only requires connections from a smaller number of application servers. It improves data integrity.	3-tier architecture