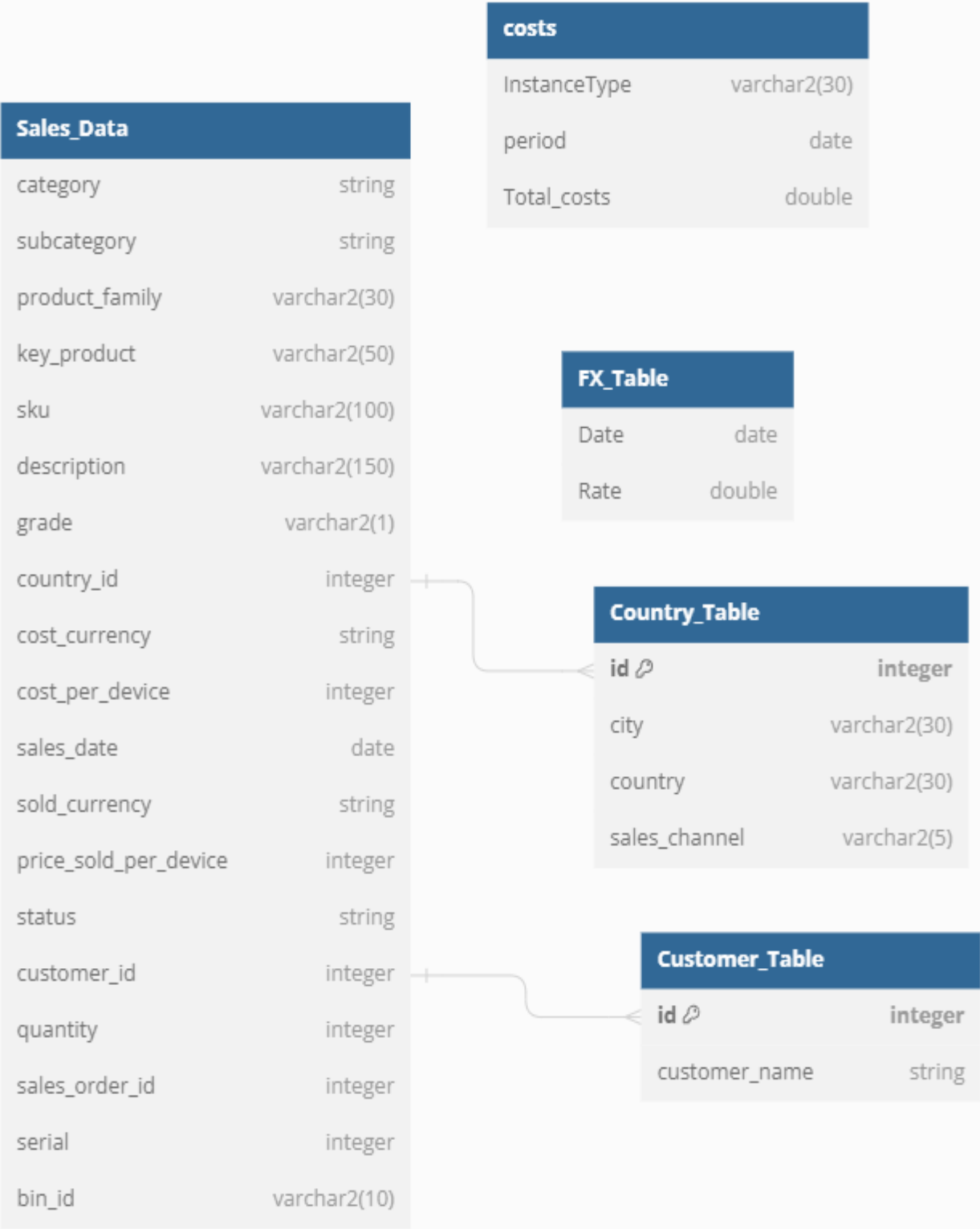# Database schema

DETAILS AND VISUALIZATION

SIMEON BORISOV

Given the data you provided here is the schema I devised and visualized:

costs

InstanceType	varchar2(30)
period	date
Total_costs	double

Sales_Data

category	string
subcategory	string
product_family	varchar2(30)
key_product	varchar2(50)
sku	varchar2(100)
description	varchar2(150)
grade	varchar2(1)
country_id	integer
cost_currency	string
cost_per_device	integer
sales_date	date
sold_currency	string
price_sold_per_device	integer
status	string
customer_id	integer
quantity	integer
sales_order_id	integer
serial	integer
bin_id	varchar2(10)

FX_Table

Date	date
Rate	double

Country_Table

id 🔗	integer
city	varchar2(30)
country	varchar2(30)
sales_channel	varchar2(5)

Customer_Table

id 🔗	integer
customer_name	string

The costs and FX_Table tables in this schema are singular and not connected via any primary (or foreign) keys to other tables given my analysis of the data provided. The Country_Table and Customer_Table are related to the SalesData table via primary keys as follows:

1. Country_Table.country_id is a primary key for itself but a foreign key for SalesData (This is done to get all the corresponding country data when writing a query and using the country_id)

2. Customer_Table.id is a primary key for the table it is contained in but a foreign key for the SalesData table (This is made to get all the corresponding data for a customer when writing a query and using the id)