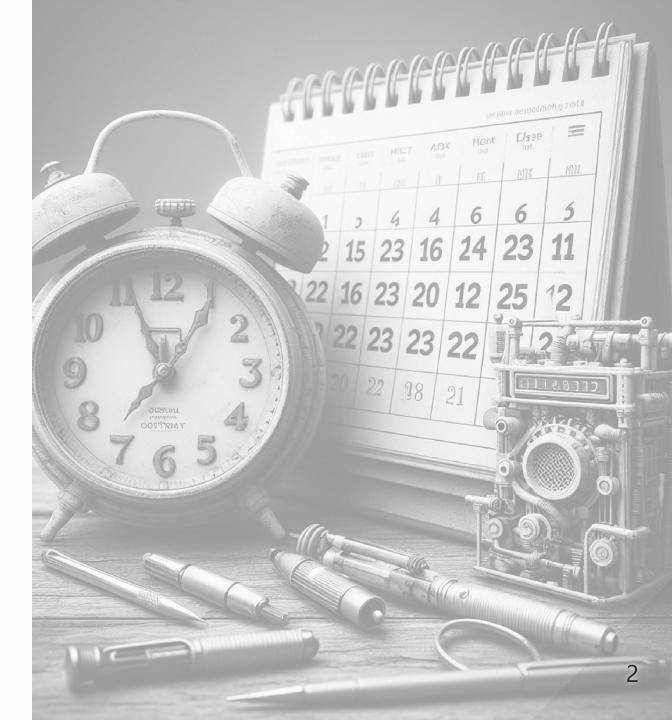
# Modeling with SQL

Sualeh Fatehi

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## **SQL Data Types**

Standard SQL Type	Usage
DATE	Local date
TIME	Local time
TIME WITH TIME ZONE	Time with timezone
TIMESTAMP	Local date and time
TIMESTAMP WITH TIME	Date and time with
ZONE	timezone

### **Modeling instants**

- TIMESTAMP WITH TIME ZONE is the only type that can accurately model machine time
- Called
  - TIMESTAMPTZ in PostgreSQL
  - DATETIMEOFFSET in Microsoft SQL Server

#### Common Sources of Error

• Using SQL TIMESTAMP to store events (without timezone information)

#### **Slides and Code**

github.com/sualeh/make-a-date

