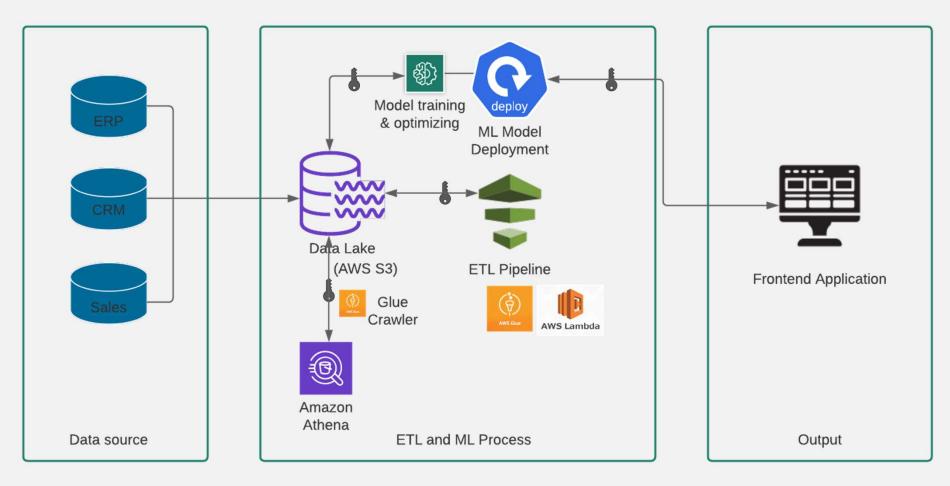
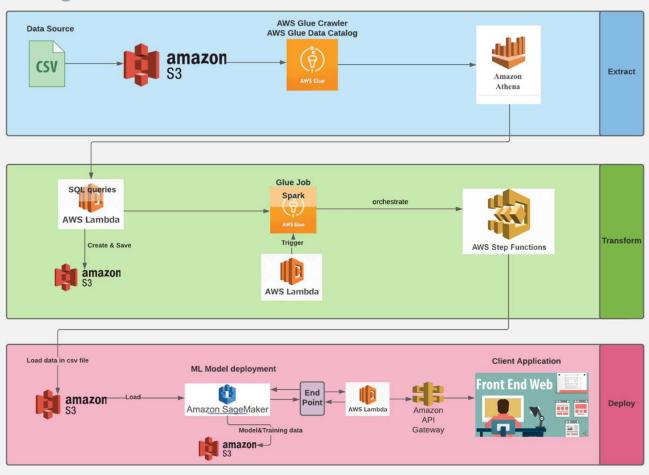


Data infrastructure

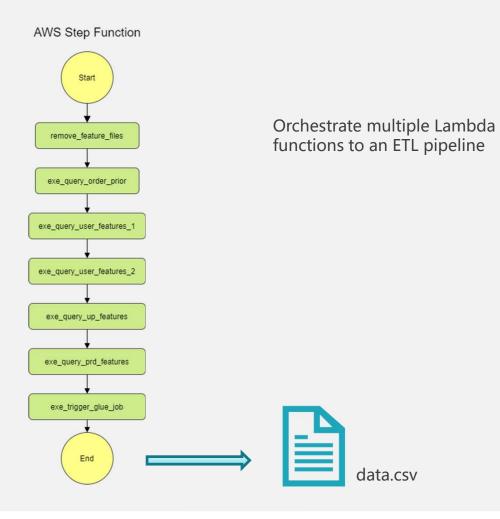


Data Engineering



ETL Pipeline





Data Modelling

SageMaker

First fully integrated development environment for ML

XGBoost Classifier

- Parallel processing
- Handling missing value

Feature Engineering

- Product reorder probability
- Product reorder time
- User average basket



Data Modelling

Build Model

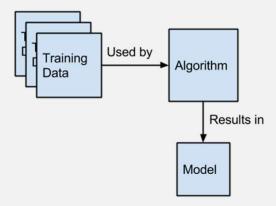
Create tuned XGBoost Model Create hyperparameter tuner

Train Model

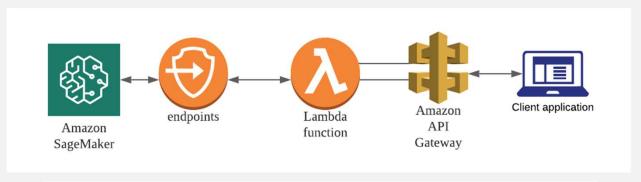
Fit data into hyperparameter tuner

Test Model

Create a transformer to do the inference Output will be probability



Model Deployment



#