



# Technical Challenge

São Paulo Fair



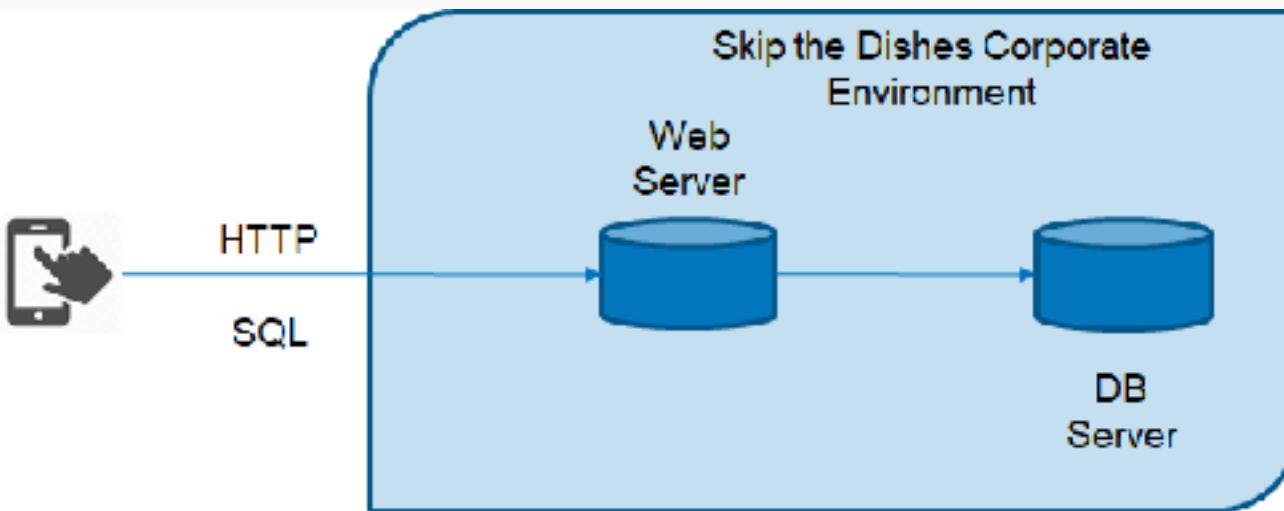
# Challenges: Data Engineer

## DATA ENGINEER

Design a database solution to handle 100.000.000 Courier's update/position per day and prepare the solution for a increase of 50% in the the next 6 months.

Suggests how to analyze the data to identify areas in the City that the Company could expand the service in the next 6 months.

# Challenges: Data Engineer

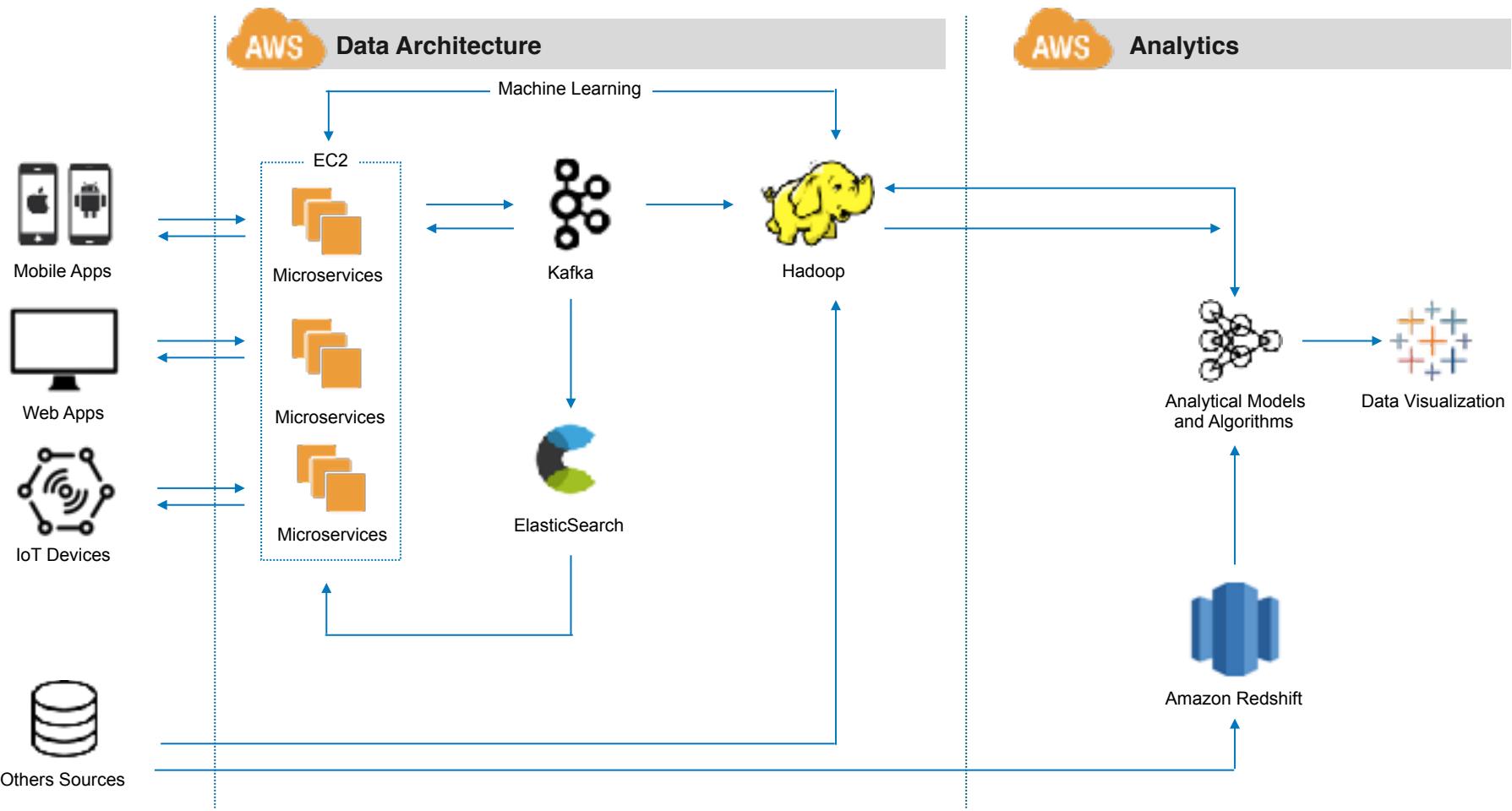


## DATA ENGINEER

**Consider Skip is moving their environment to the Cloud. Change the architecture diagram using the following technologies: Kafka, Hadoop, Elasticsearch, MQTT/AMQP, columnar databases.**

# Challenges: Technologies

Front end	HTML, CSS, Javascript (jQuery, Knockout, React), Python
Back end	Java 8
Data Technologies	MySQL, Elastic Search, DynamoDB, Python, memcached and Redis
Mobile	Swift, Java, React Native
Message Broker	Rabbit MQ
Architecture	Microservices (Spark)
Cloud	AWS



# Thank You!

See you in São Paulo.

