Top Diagram

CLIENT BROWSER

JS sends AJAX HTTP request to a different server (omdbapi.com)

HTTP REQUEST →

reactjs-movie-browser.firebaseapp.com

SERVES:
HTML/CSS/JS

← HTTP RESP HTML/CSS/JS

In our app:
tech stack: HTML/CSS/JS/JQUERY

HTTP REQUEST →

http://omdbapi.com

SERVES:
MOVIE DATA IN JSON FORMAT

← HTTP RESPONSE MOVIE DATA IN JSON FORMAT

RDBMS

In our app:
tech stack: CORE JAVA/JDBC/SPRING BOOT

Bottom Diagram

MIDDLEWARE (JAVA/PYTHON/NODEJS/.NET/...)

CLIENT BROWSER

(PRESENTATION)

HTML/CSS/JS

Using JavaScript we can make AJAX requests **only to a URL**

WEB/CONTROLLER

Java class with functions that are mapped to URL paths.

Each function returns java data, which then get transformed into JSON/XML format.

SERVICE/BUSINESS

Simple Java classes with functions, performing some domain specific functionalities, which invoke dao functions

DAO/REPOSITORY

CRUD and QUERY operations

implemented using:
JDBC/
HIBERNATE/
JPA/
MYBATIS/
...

RDBMS (MYSQL)

db:
batch10

table:
users

Java:
Spring boot
JAX-RS
Apache AXIS

Python:
Flask
Django
Bottle

Nodejs:
express js
nest js