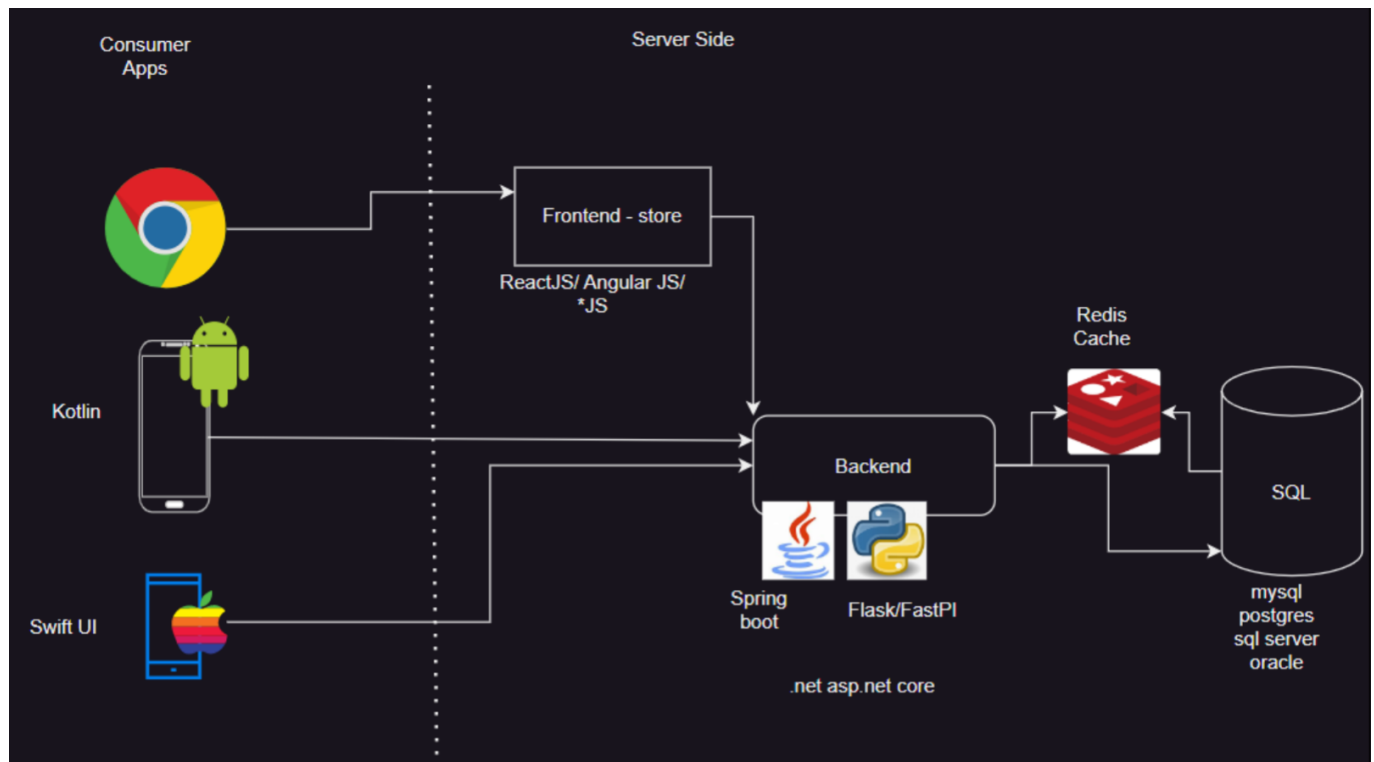


ePickle Application

- Initial System Design



- Here we have the server which is currently hosting the ePickle application and the database on it.
- The Consumer accessing the application with
 1. Browser
 2. Android App
 3. IOS App
- When consumer accessing the application through the App they get direct access to the backend of the application and from there the application and the content of the application gets loaded.
 - Backend developed in the Spring Boot, Flask / FastAPI
- But when any consumer accessing the application through the browser they are accessing the front-end of the application and the front-end-store communicates with the backend.
 - Frontend-store developed in any JS technology (ReactJS, AngularJS)
 - For developing the Mobile based application we can use the Kotlin (Android) and Swift UI (IOS)
- Here we are using the SQL database to store the application content

Problem - Number of users or request increased with amount of time to show the post is more

- This is impacting on the application i.e. it will take more time to load the data from the SQL database and display to the consumer

Solution :

- For this adding the Cache data (Redis Cache) our service to read in frequently changed data (static data) from RAM rather than hard disk.

