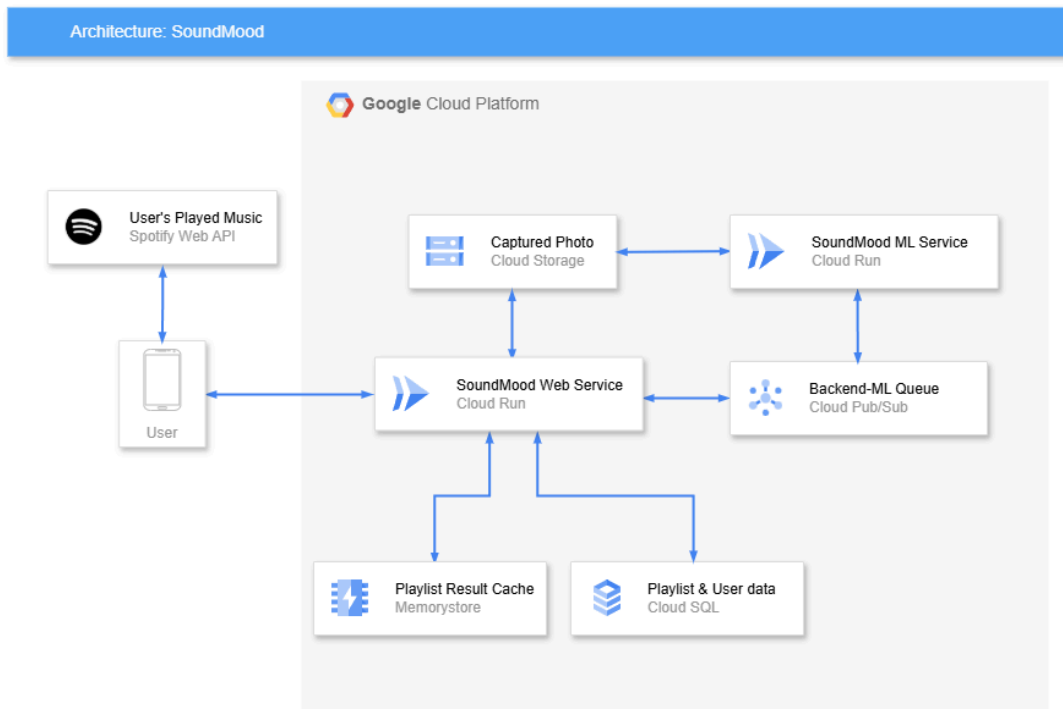


SoundMood (Bangkit Capstone Project)

Music recommender that adapts to users' mood fluctuations, promoting meaningful experiences and emotional well-being.

Role:

1. Designed application architecture



2. Utilize Google Cloud services to support application needs, such as:
 - a. Cloud Run, to run both Machine Learning and Web service


Services

Filter Filter services				
<input type="checkbox"/>	<input checked="" type="radio"/>	Name ↑	Deployment type	Req/sec ?
<input type="checkbox"/>	<input checked="" type="radio"/>	soundmood-be	Repository	0.03
<input type="checkbox"/>	<input checked="" type="radio"/>	soundmood-ml	Repository	0

- b. Cloud SQL, to store playlist and user data

<input type="checkbox"/>	Instance ID ? ↑	Cloud SQL edition	Type
<input type="checkbox"/>	<input checked="" type="radio"/> db-soundmood	Enterprise	PostgreSQL 16

- c. Cloud Storage, to store user-captured photo for history features


 **Filter** Filter buckets




<input type="checkbox"/>	Name ↑
<input type="checkbox"/>	img_soundmood

- d. Cloud Pub/Sub, for asynchronous communication between machine learning and web services.

Subscription ID ↑
get-predict
return-predict

- e. Cloud Memorystore with Redis Cluster to cache frequently accessed results like playlist results.

 **Filter** Enter property name or value

<input type="checkbox"/>		Cluster ID	Location ?	Shard Size
<input type="checkbox"/>		redis 	asia-southeast2	1.4 GB