Design API Task

Common recommendations :
A link to the API Guideline documentation would be included to cover subjects like :
- Security : HTTPS with TLS 1.2, API-Key, Oauth token ...
- Specific headers like CorrelationId, BU ...
- Depending on API Manager, define quota or rate limit
- etc...

REST API Design – I would use a swagger following OpenAPI recommendation
Quick example created : https://app.swaggerhub.com/apis/jlepape/Earthquakes/1.0.0
Gives the opportunity to review with stakeholders, in our case, the PM but also with developers.
Always updated Documentation with versioning and used by developers to deploy.

GraphQL API Design -

Single entry point /graphql
If we want to deploy on AWS, we could use AWS appsync to be serverless
Client and Server are independent.
As first step, data storage is not relevant for our PM needs, we can directly use the Public API,
otherwise we could add a Storage Data / Persistent layer or a caching system.
https://earthquake.usgs.gov/fdsnws/event/1/

In the Resolver, we have to create a new service to get the data and map the response.

For Diagram representation, see attached Miro PDF please.