

Infrastructure Explanation

For a single page application, we can utilize Amplify not only to automatically deploy Front-End application in this case in Vue.js but also not to worry about the underlying services and configuration.

As for the middleware, the use of API gateway and EventBridge will detect the client's request to be sent to the appropriate microservice and will provide a response.

The use of MySQL Aurora will scale based on demand and provide a self-healing feature. Say that Aurora is properly configured, it will spawn necessary read replica's to provide efficient performance. Same goes, when the usage is low, it will delete excess instances.

Question to the PO

- 1. How much is the budget for this infrastructure?
- 2. Microservices are great, but may I suggest to use Serverless (Lambda) instead? This will greatly decrease operational overhead and will scale automatically upon code deployment.
- 3. Will this infrastructure used in long-term? If so, let's purchase a Reserved Instance to save cost.

