**Architecture**

**Three tier –** Separation of concerns, security between the client and the db, maintainability as changes to one layer don’t affect the other

**Component based-** Maintainability as components can be worked on and updated wherever used, also made frontend development more efficient

**Serverless computing-** Automatic scaling, reliability and uptime

**Service oriented-** modular and flexible, services used are secure

**Security**

**Encryption-** User data being communicated between client and server is encrypted in transit using TLS and HTTPS.

Passwords are encrypted and salted by the authentication service. Dynamo Db encrypted at rest.

**Role Based Access-**  Users are grouped into user pools, combined with route protection limited access to certain parts of the system.

Principle of least privilege when giving users access to the db