

Serverless Architecture

CSSE6400

Richard Thomas

May 23, 2022

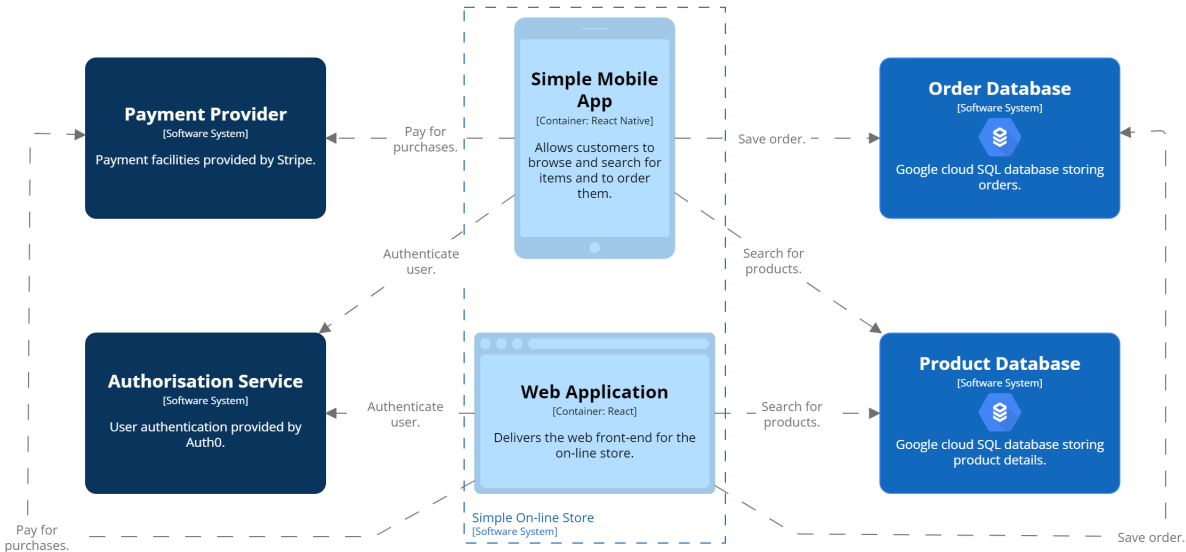
Oxymoron 1. Serverless

Logic running on someone else's server.

Definition 1. Backend as a Service (BaaS)

Cloud-hosted applications or services that deliver functionality used by an application front-end.

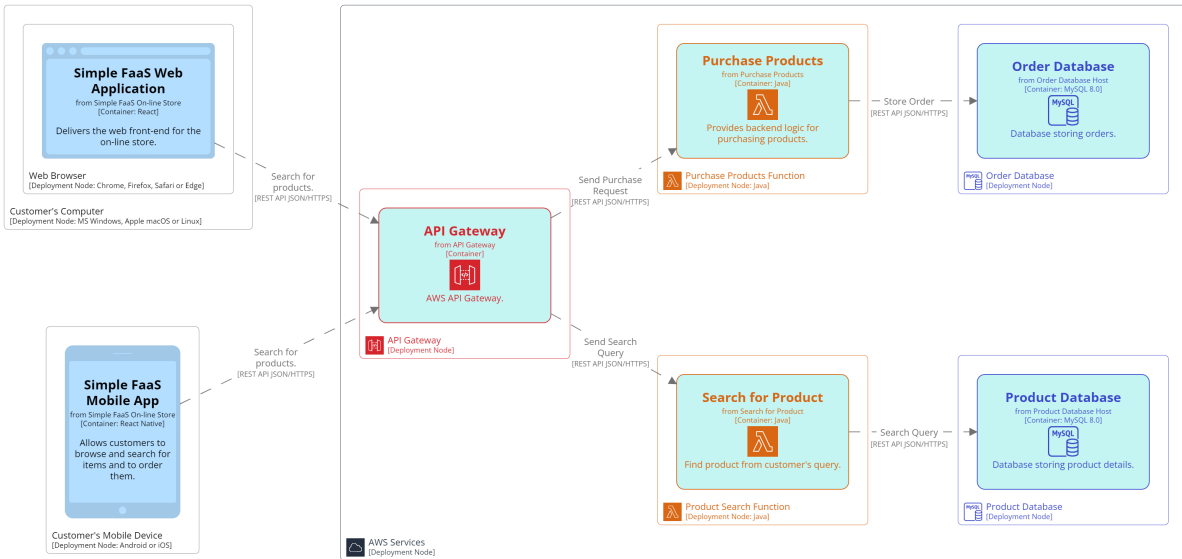
BaaS Example



Definition 2. Functions as a Service (FaaS)

Application logic that is triggered by an event and runs in a transient, stateless compute node.

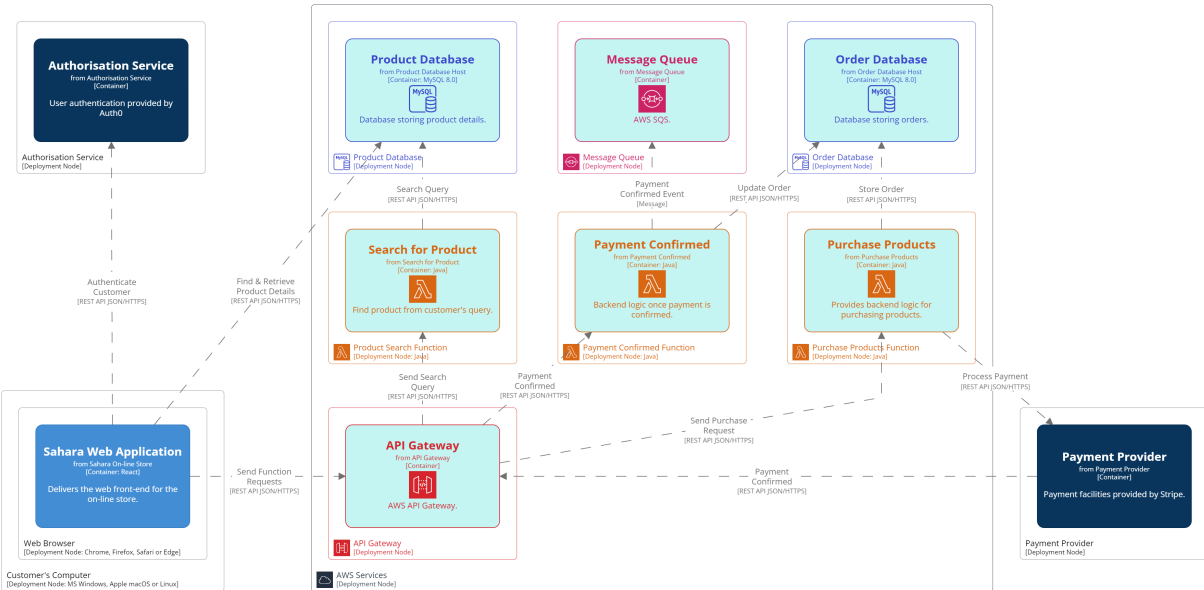
FaaS Example



Definition 3. Serverless Architecture

Software system delivering functionality through BaaS or FaaS.

Serverless Sahara eCommerce



Oi!

Continue Sahara Example with Steps After
Diagram Above

Pros & Cons

Modularity



Extensibility



Reliability



Interoperability



Scalability



Security



Deployability



Testability



Simplicity

