Emerging Technologies 2021

- Web Microservices
- Motion UI *from ZURB*
- Internet of Things
- Serverless Web Applications

Web Microservices

Web Microservices is an architecting style that structures an application as a collection of services that are each:

- Highly maintainable and testable
- Loosely coupled
- Independently deployable
- Organized around business capabilities
- Owned by a small team

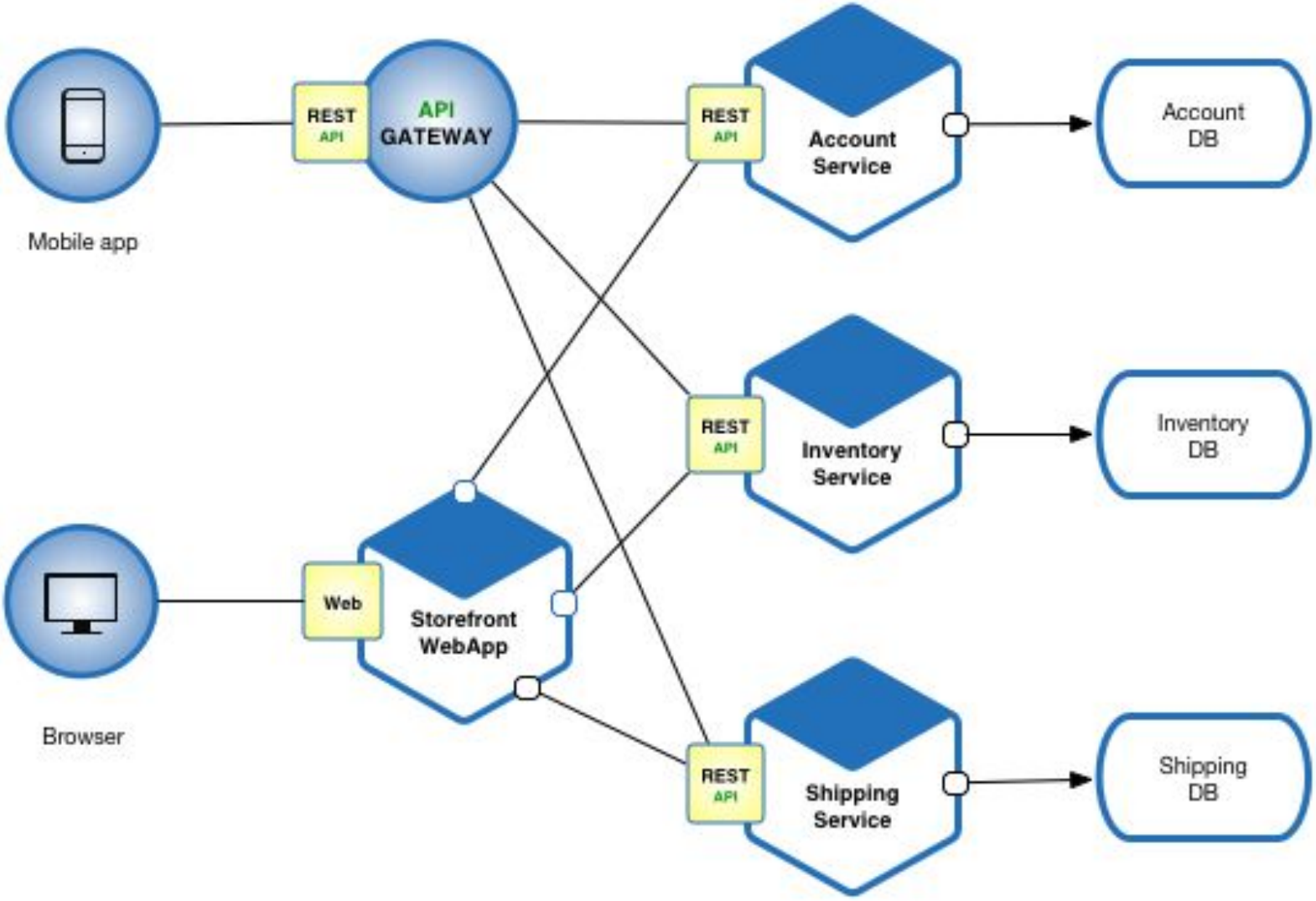
Sites that use microservices

- Uber.
- Netflix.
- Amazon.

This technique allows developers to retire certain parts of a application or process without having to spend resources on remaking the entire code base.

Microservices are also cross platform driven and aim to work with all devices allowing for a single module to handle your desktop or mobile backend delivery. (picture)

microservices.io


Mobile app
REST
API
API
GATEWAY
REST
API
Account
Service
Account
DB
REST
API
Inventory
Service
Inventory
DB
Browser
Web
Storefront
WebApp
REST
API
Shipping
Service
Shipping
DB

Motion UI

Motion UI is a pretty straight forward, it is a Sass library that makes animations and transitions snappy and easy to use.

Motion UI has built in effects and animations to make creating a dynamic and interesting User Experience quickly and intuitively .

Motion UI also allows the creations of your own effects to save and use again and again.

Motion UI

Internet Of Everything (IoT)

Internet of everything is an all encompassing term that refers to any technology that can connected to in any way.

This reaches as far as the internet itself, to a smart fridge, traffic lights, cameras, solar panels, anything with a possible connection.

Our need to know stems from Home Devices like Alexa and Siri. **Voice Optimization** will become immensely important as our society grows towards using these devices.

Just like how mobile grew to become more important than desktop. We will need to give special attention to how these devices navigate and work our site to make sure we have successful traffic

Serverless Web Application

Serverless architecture is a alternative way to host your application.

As opposed to renting out a capped portion of storage and paying for all its resources, Serverless offers a more pay as you go type of environment where you only pay and use what is required of the application in that instance

This approach allows dynamic scalability for an application.

Amazon Web Service

Article