

Lunch and Learn



A CLOUD GURU

SERVERLESSCONF



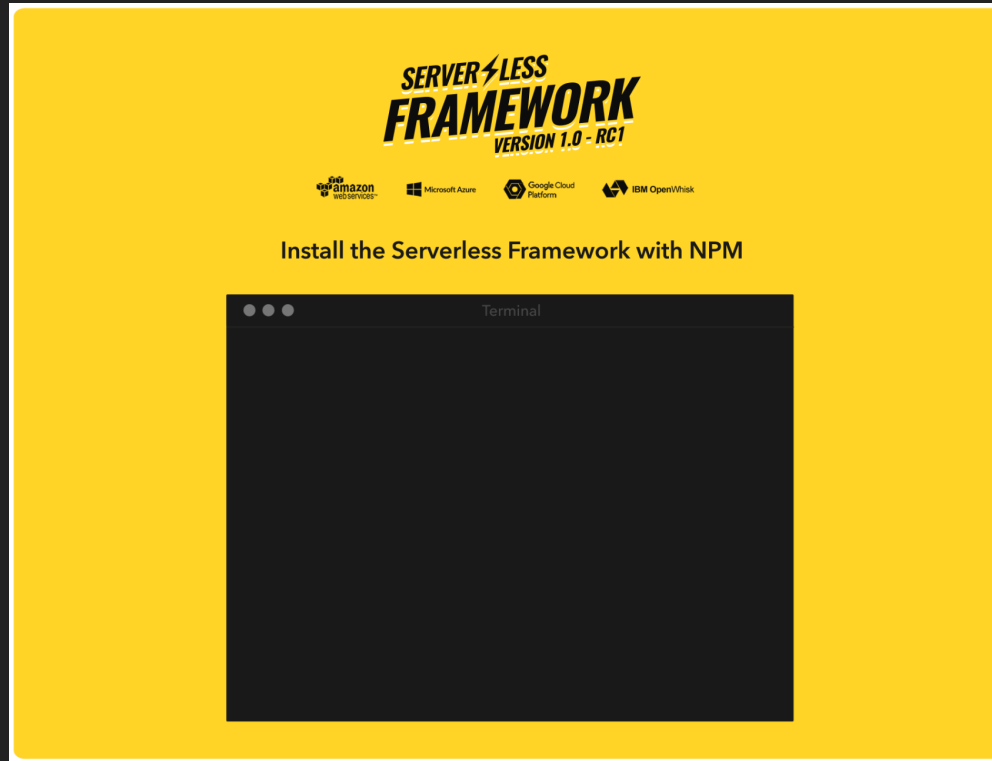
John McKim

@johncmckim

Software Engineer
A Cloud Guru

Serverless Framework
Contributor

Serverless Framework



<https://serverless.com>

What is Serverless?



Functions as a Service

Properties of FaaS Services

- Function as unit of Deployment
- Function as unit of Scale
- Fully managed Scaling
- Triggered by Events
- Pay for execution time

Serverless

FaaS + The Herd



What is Serverless?

A Serverless Architecture is an event driven system that utilises FaaS and other fully managed services for logic and persistence.

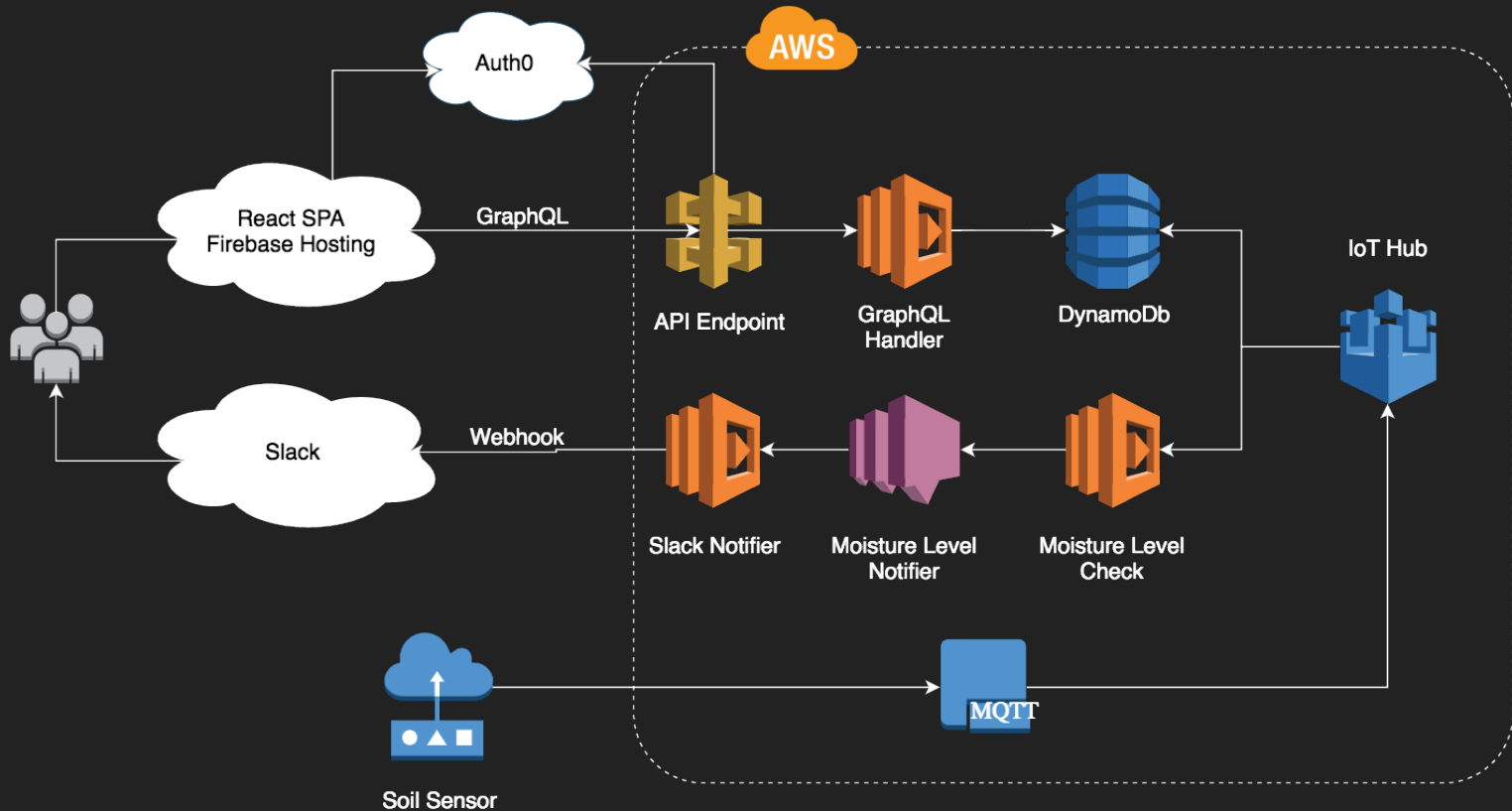
Why choose Serverless?

Benefits

- Easier Ops - (Not NoOps)
- Reduced Operational Cost
- Reduced Development Time / Cost
- Highly Scalable
- Loosely Coupled systems

Example Architecture

Serverless Garden



Who's Who in the Zoo

Providers in this space

Functions as a Service

- AWS Lambda
- Azure Functions
- Google Cloud Functions
- IBM Open Whisk
- Webtask



* as a Service

- AWS, Azure, Google
- Auth0
- Algolia
- Firebase
- Netlify



Who's Who in the Zoo

Tools in this space

Frameworks

- Serverless Framework
- Apex
- Claudia
- Chalice
- Sparta

Other Tools

- CloudFormation
- Terraform
- Ansible



Demo Time

From Zero to Serverless

- AWS - API GW, Lambda, DynamoDB
- Serverless Framework
- Yeoman generator - [serverless-service](#)