

# SERVERLESS

MEETUP BRISBANE



A CLOUD GURU

SERVERLESSCONF



Thanks for hosting us



**A CLOUD GURU**

<https://acloud.guru>



John McKim

@johncmckim

Software Engineer  
A Cloud Guru



Adrian Cantrill

@adriancantrill

Lecturer  
A Cloud Guru

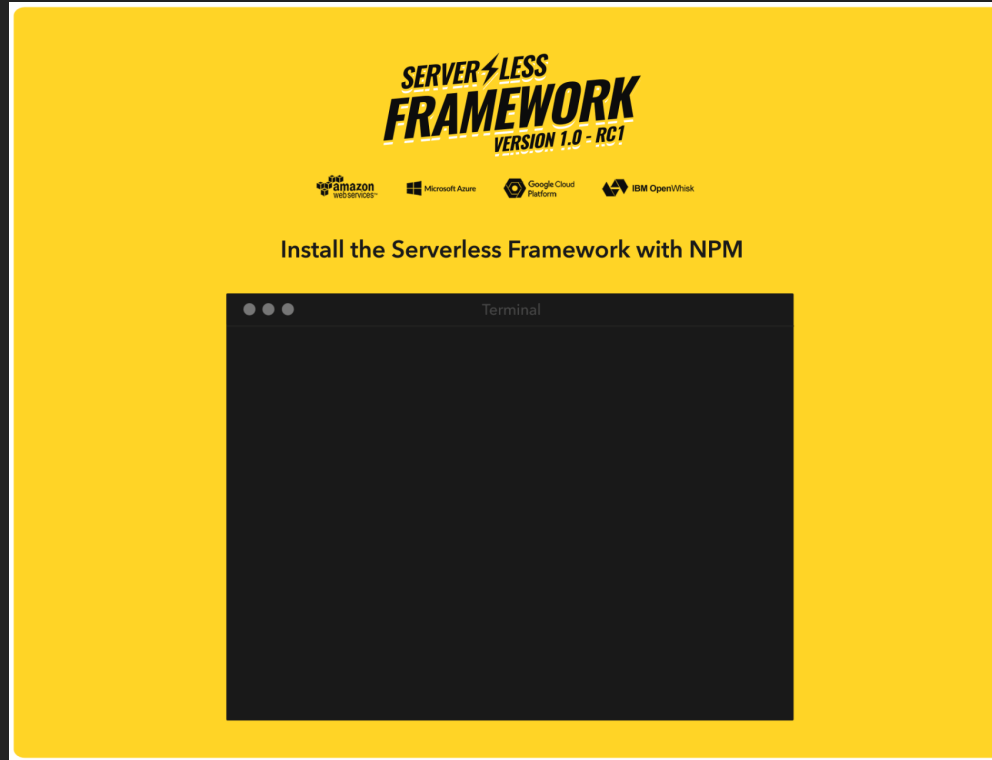


Mike Chambers

@mikegchambers

Lecturer  
A Cloud Guru

# Serverless Framework



<https://serverless.com>

# Agenda

6:15 - 6:45

**Intro to Serverless & ServerlessConf Recap**

6:50 - 7:15

**Introduction to Azure Functions**

7:20 - 7:50

**Building a business on Serverless**

7:50 - 8:30

**Q/A Panel + Pizza / drinks**

# Quick Quiz

Who Are you?

- Developer
- Operations
- Business

# Quick Quiz

Your Experiences

- Never heard of Serverless
- Built something for fun
- Using it in production



# 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.*

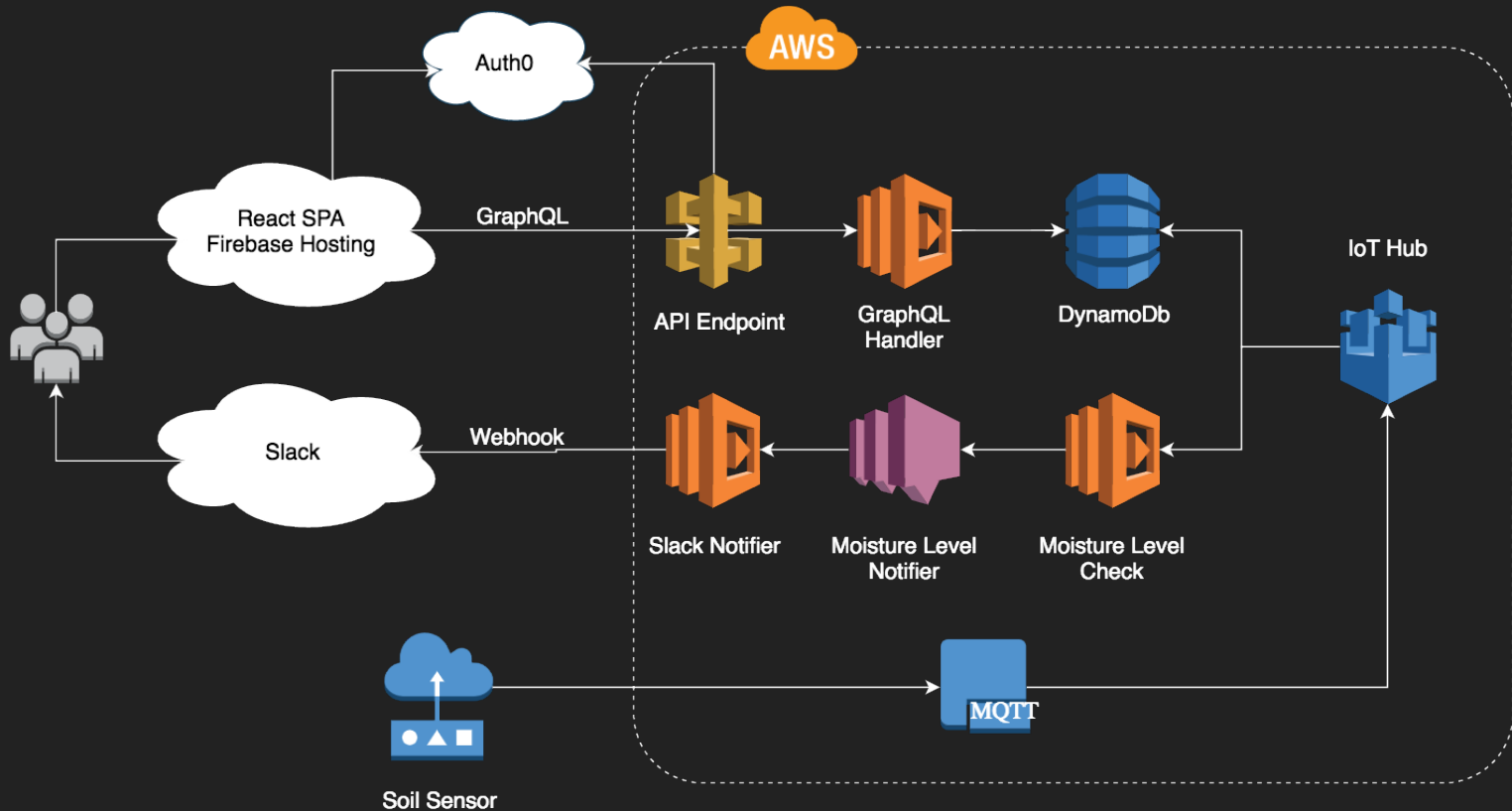
# Why choose Serverless?

## 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
- Chalice
- Claudia
- Sparta

## Other Tools

- CloudFormation
- Terraform
- Ansible





# Adopting Serverless

People and DevOps

- Knowledge
- Access to Services
- Development Process
- Deployments
- Testing
- Logging and Monitoring

# Adopting Serverless

## Architectures and Security

- Vendor Lock-in
- Service Boundaries
- Inter-service communication
- Service discovery
- Distributed systems
- Cross-cloud architectures

# Adopting Serverless

## Security

- Responsibility & Transparency
- Controls
- Cross-Cloud Consistency

# Adopting Serverless

## Outsourcing

- Responsibilities
- Failures
- Resilience
- Support
- Cost

# Sounds Hard

Not no Problems - Better Problems



# Resources

## Blogs & Videos

- <https://read.acloud.guru>
- <https://serverlesscode.com>
- <https://serverless.zone>
- <https://serverless.com/blog>
- <http://video.serverlessconf.io>
- <https://github.com/ServerlessHeroes/serverless-resources>

# Resources

## Community

- <https://www.reddit.com/r/serverless>
- <https://wt-serverless-seattle.run.webtask.io/serverless-forum-signup>
- <https://webtask.io/slack>
- <http://forum.serverless.com>
- <https://gitter.im/serverless/serverless>

# Thanks for listening!

