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# What if it was OpsDev this whole time?

Thoughts on Serverless, FaaS, & stuff

Andrew Lenards @alenards (cloud sherpa)

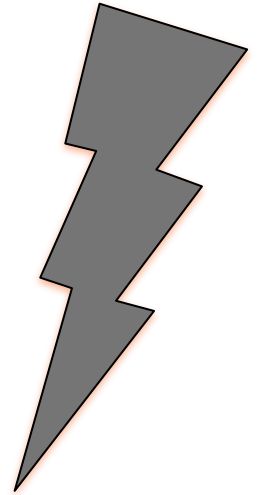
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Some tech names  
are just bad ....



# **hype can do more damage ...**

**Hopefully you haven't been turned off to the entire idea of notion of AWS Lambda, Azure Functions, or Google Cloud Functions based on the industrial marketroid complex being in "full effect" for 2+ years now.**





# Agenda

**Influenced by cold medicine, here is where a likely path for us to tread**

→ **A Way to Test Ideas**

What if we execute better & faster?

→ **Topic Backfilling**

If you *\*are\** interested after testing ideas ... what are some of the patterns

→ **Where It Fits**

Anything that might be good to know up-front?

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Suppose I'm recruiting  
*vigilante* dogcatchers ...  
how would we organize  
& communicate?

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# Stepping back ...

What is serverless?

What is containerless?

FaaS, huh?

Who comes up with this stuff?!?!?!?!?

# Idée Fixe

David Nolen, GOTO 2017:

<https://youtu.be/lzXHMy4ewtM>


Paraphrase:

There are no right answers in the Software Industry, there's just a bunch of crap that people do

*You come to a conference and people say "We're doing this crap, we think it's pretty cool"*

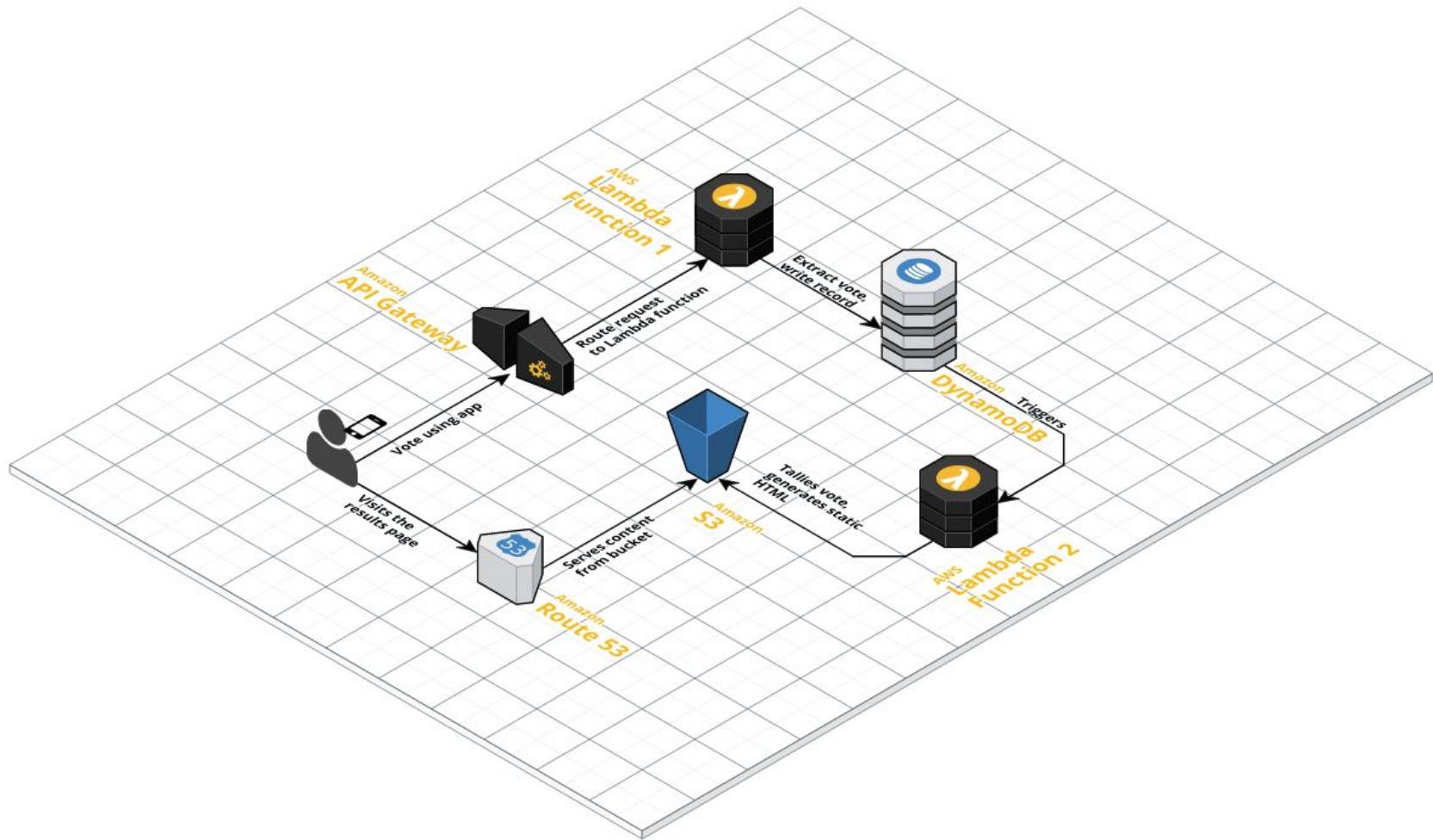
<https://youtu.be/lzXHMy4ewtM?t=11m56s>



A hand holding a smartphone against a blurred red background. The text is overlaid on the image in white, bold font.

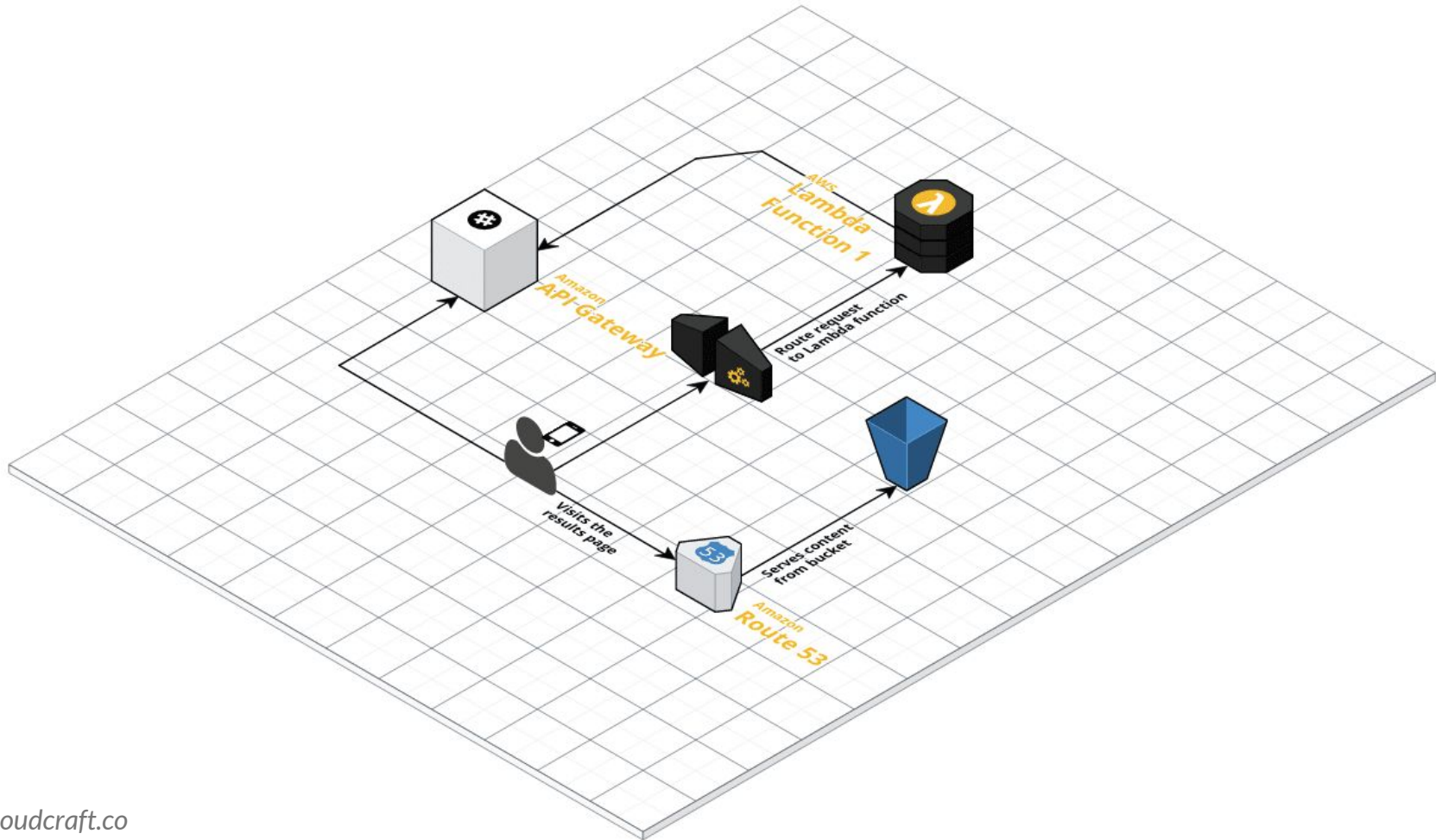
**Mobile device  
development created  
the need for  
“Backend-as-a-Service”**





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# Drexel Heights Dogcatchers





## What Amazon means

→ **No servers to provision/manage**

*Read this as: "nothing to ssh to"*

*No servers, but also **no containers***

→ **Scales with usage**

→ **Never pay for idle**

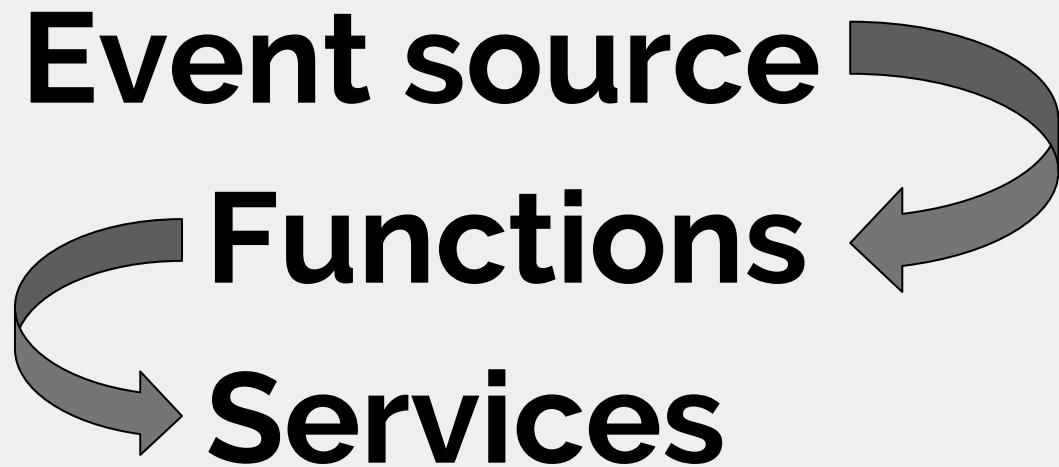
→ **Availability & Fault Tolerance  
built-in**

# Intention / Intentionality

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# Events

It's not just functions in the AWS view, it includes *services*



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# Functions\*\* in

- JavaScript
- Python
- C#
- Java

\*\* depending on the cloud provider ...



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# Utility Model.

(costs *track* with usage)



## Serverless computing: economic and architectural impact

Full Text:  PDF  [Get this Article](#)

Authors: [Gojko Adzic](#) Neuri Consulting, UK  
[Robert Chatley](#) Imperial College London, UK

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- Proceeding  
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2017 Article



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- Downloads (cumulative): 157
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# Hype vs. Reality

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**“Cultivate a taste for distasteful truths. And...most important of all, endeavor to see things as they are, not as they ought to be.”**

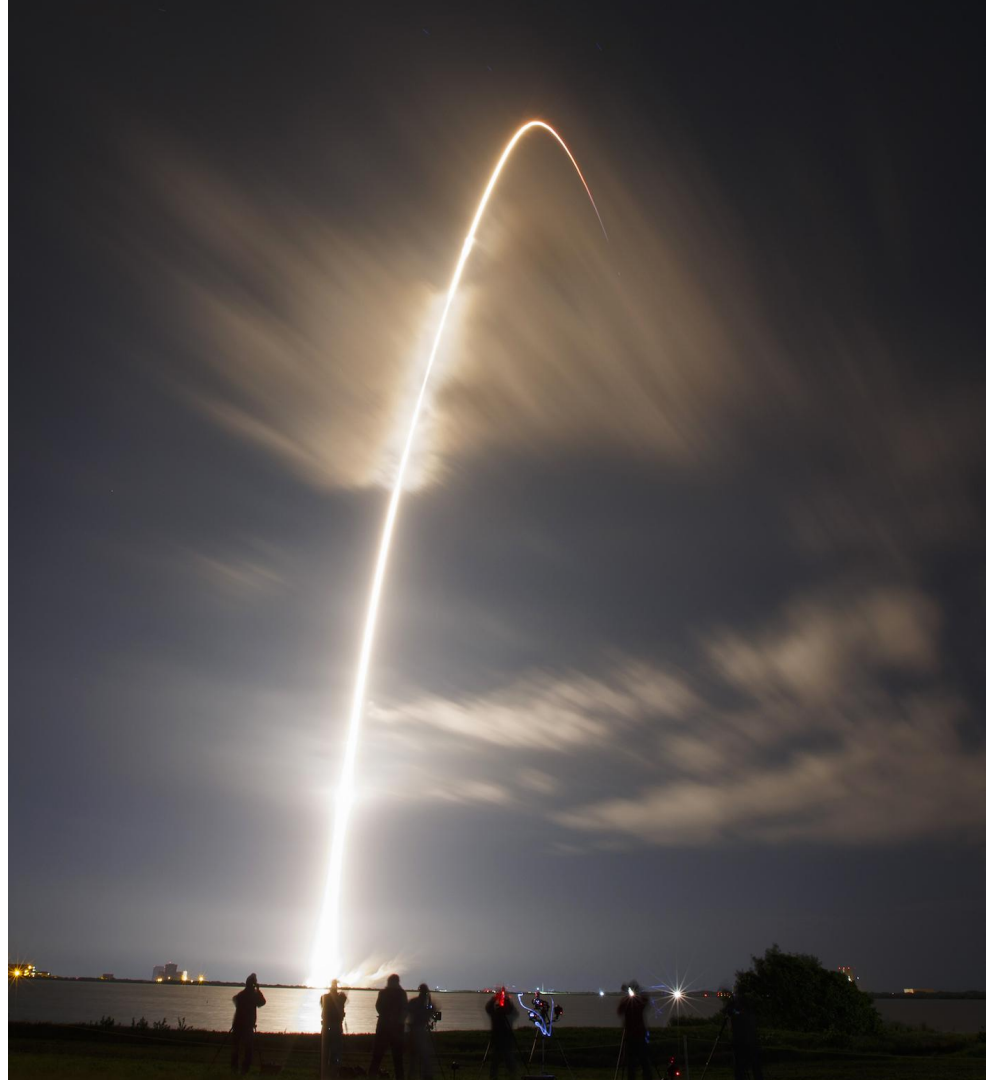
**– Ambrose Bierce**

(stolen from Daily Stoic)

# Hype

- Costs are so cheap
- Coding is easy
- Configuration is a breeze
- Transparent error Reporting
- Great for developers
- Monitoring is easy for DevOps
- Deployment is simple
- Best for EVERYTHING

Lynn Langit @LynnLangit - <https://youtu.be/PgZ2dxnj734>



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## Hype

- 1. Costs are so cheap
- 2. Coding is easy
- 3. Configuration is a breeze
- 4. Transparent error

### Reporting

- 5. Great for developers
- 6. Monitoring is easy for

### DevOps

- 7. Deployment is simple
- 8. Best for EVERYTHING

## Reality

- 1. **YES**, costs are cheap
- 2. MAYBE
- 3. MAYBE
- 4. MAYBE

- 5. MAYBE
- 6. **NO**

- 7. **NO**
- 8. **NO**

# Who could succeed?

If you understand the “landscape” ...

Know a bit about:

- CQRS
- Events / Event-driven / Event Sourcing
- NoSQL
- Microservices

