



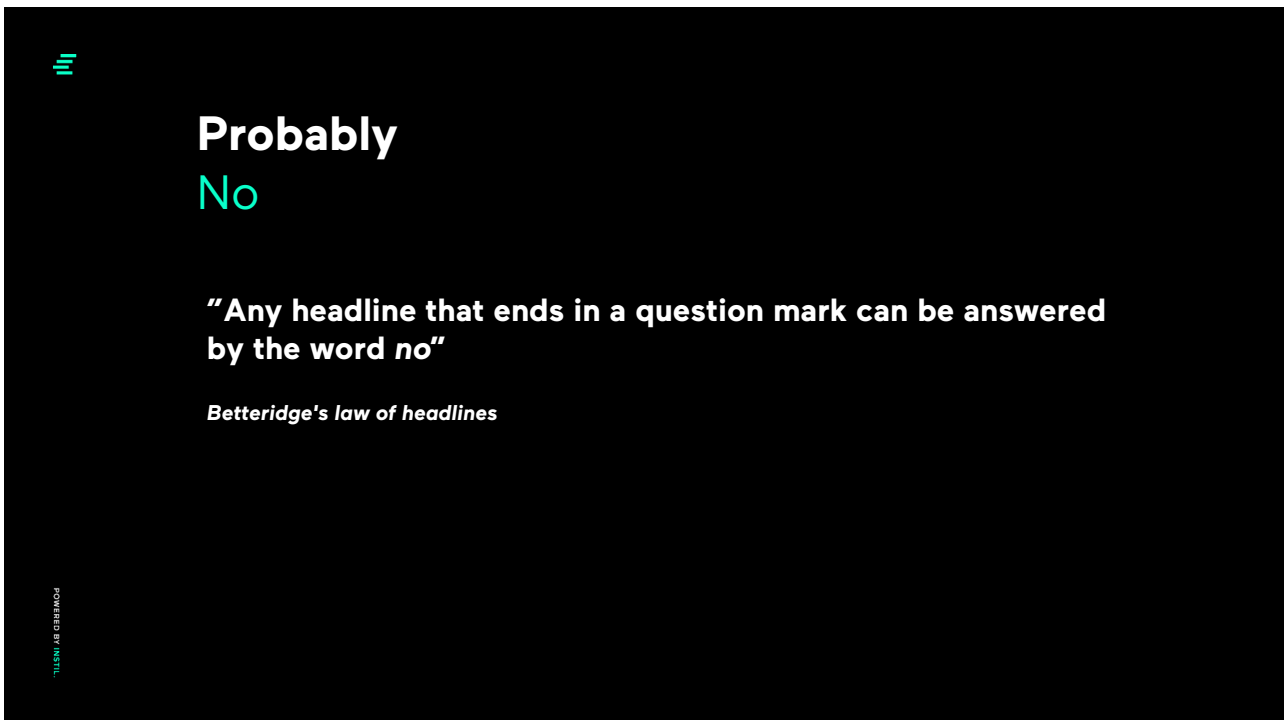
A presentation slide with a black background. In the top left corner, there is a small teal logo consisting of three vertical bars of increasing height. The main text is centered and reads "Is YAML Developer my next job title?" in a large, white, sans-serif font. Below this, the name "Ryan Adams," and the title "Trainer, Instil" are displayed in a smaller white font, with a teal brushstroke effect behind the text. In the bottom left corner, there is a small teal logo and the text "TILLY AS GIBSON" written vertically.

Is YAML Developer my next job title?

Ryan Adams,  
Trainer, Instil

TILLY AS GIBSON

1



A presentation slide with a black background. In the top left corner, there is a small teal logo consisting of three vertical bars of increasing height. The main text is centered and reads "Probably" in a large, white, sans-serif font, followed by "No" in a teal, sans-serif font. Below this, a quote is displayed in a smaller white font: "Any headline that ends in a question mark can be answered by the word no". At the bottom, the text "Betteridge's law of headlines" is written in a smaller white font. In the bottom left corner, there is a small teal logo and the text "TILLY AS GIBSON" written vertically.

Probably  
No

"Any headline that ends in a question mark can be answered by the word no"

*Betteridge's law of headlines*

TILLY AS GIBSON

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**in ancient times**  
**we tried this**

PROGRAMMING-IN-THE LARGE  
VERSUS  
PROGRAMMING-IN-THE-SMALL

Frank DeRemer  
Hans Kron  
University of California

We argue that structuring a large collection of modules to form a "system" is an essentially distinct and different intellectual activity from that of constructing the individual modules. That is, we distinguish programming-in-the-large from programming-in-the-small. Correspondingly, we believe that essentially distinct and different languages should be used for the two activities. We refer to a language for describing systems as a "module interconnection language" (MIL). In general, an MIL should serve as (1) a project management tool, (2) a means of communication between members of a programming team, (3) a design tool for, and actual means of establishing overall program structure, and (4) a means of documenting that structure in a clear, concise, formal and checkable way.

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**in ancient times**  
**we tried this**

**An Introduction and History of Software Architectures, Components, and Reuse**

Leonor Barroca, Jon Hall and Patrick Hall

This is the story of our technology, is it not? Lots of great ideas — forget the last “solution”, we promise the next one will work. Then we all work like mad at it, but fail to deliver the promise. As way of reward, however, we all learn a lot.

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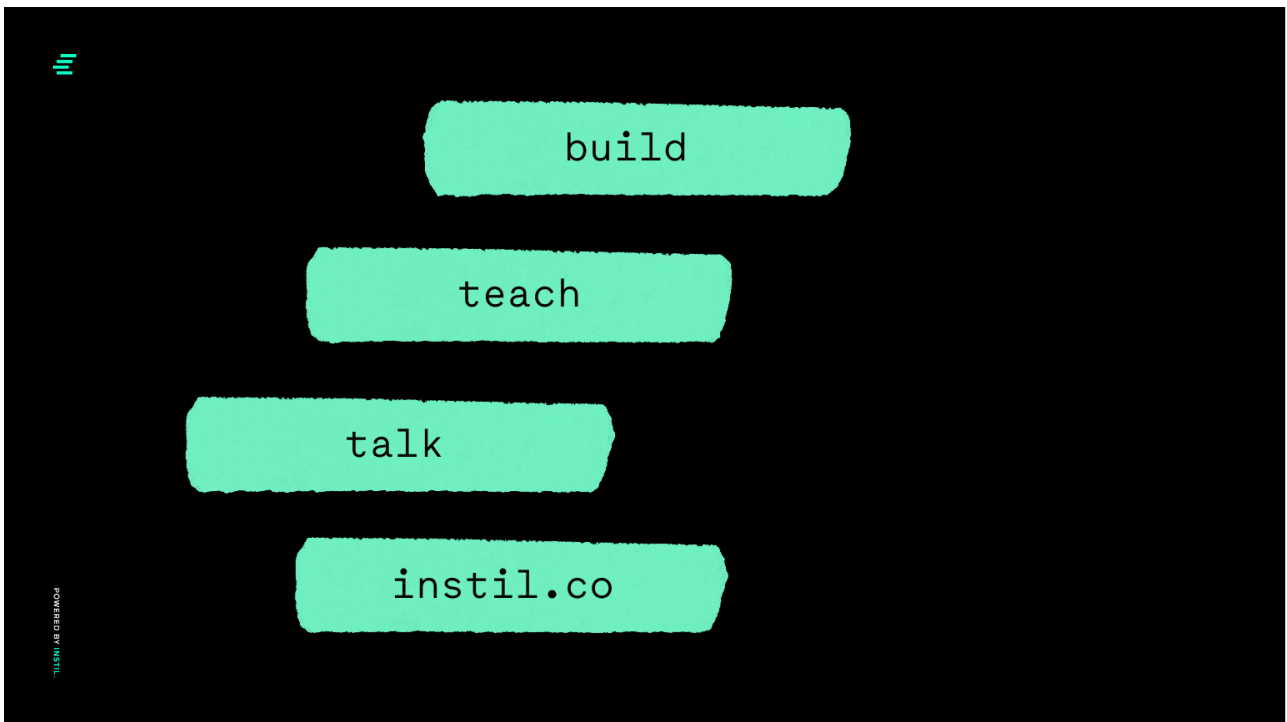
**What do I need to know?**  
**@ me**

**Ryan Adams**  
@ryangadams

Part time man-in-shed. Cul-de-sac dweller. Perpetual newbie. Wannabe Woodsman. Flâneur. Software trainer at Instil.

TUESDAY 16 FEBRUARY

5



build

teach

talk

instil.co

TUESDAY 16 FEBRUARY

6



# back in 2009 the first devopsdays

*"Some call this phenomenon devops, others agile system administration.*

*Truth is that agile techniques used in development have an impact on the way operations organizes it work. Similar, operations and sysadmins are becoming programmers because of the virtualization and automation trend where everything is managed through an API.*

*So if you are a developer with a interest for system administration.*

*or a sysadmin interested in development.*

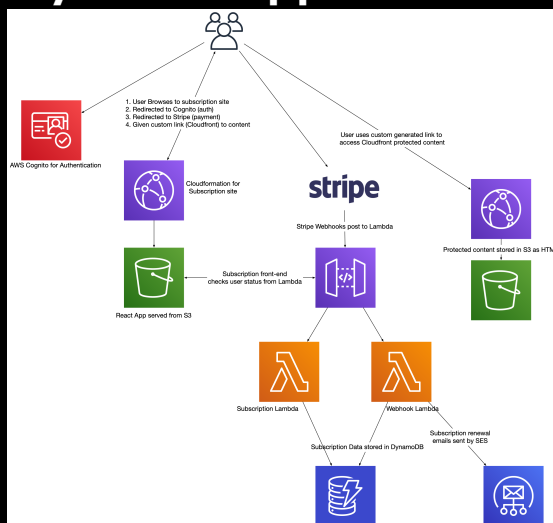
*Join us on the first conference that focuses on bringing the best of both worlds together."*

<https://web.archive.org/web/20090822164627/https://devopsdays.org/>

TULSEN AB GIBBERMAG



# My Cloud Application



TULSEN AB GIBBERMAG



# there's been an elephant in my butter dish



And its name is Cloudformation

TUESDAY 18 FEBRUARY

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# cloudformation is not easy... or is it?

66% of commits are concerned  
with template.yml

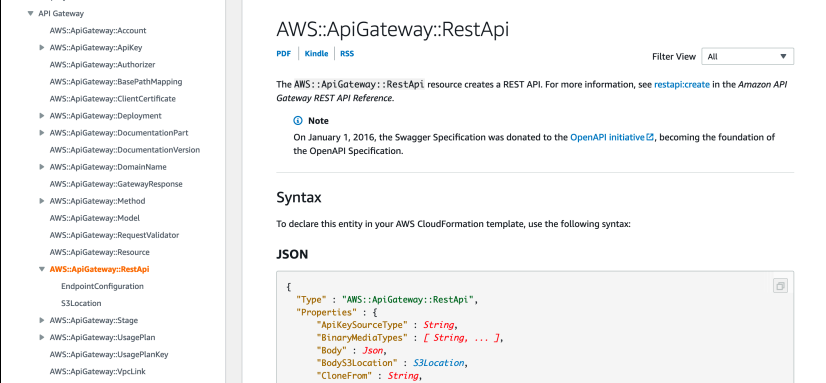
poke it until it works, then  
never touch it again

```
672c377 switching to content domain for private content
c94b2e9 opening the policy to try and make it work
bb0ee56 restoring httpOnly cookies and tweaking dateless than time
8e06eb1 Need the right key id
9780ef1 Setting one set of cookies for all chapters.
453f743 changing chapter urls
5142ea8 first attempt at cloudfront cookies
82a07c1 removing domain details
5520a7b Changing format from ANY to GET
7831669 removing cors temporarily
e44463a ping
f9feb67 Used the wrong parameter name
59d225c updating front-end url
7739ecc poke
4897314 making the arn template parameter * since the arn didn't seem to work
578ca1c Adding a description to the domain mapping stage parameter
673b64c wrapping acm arn in quotes
688aaa3 Adding Custom domain mapping to api gateway, and an arn to secretmanager policy
6ba6395 Fixing Cloudformation drift and correcting broken webhook
479d1b1 removing deployment
5da5a77 missed stagename
fc83a57 Trying to get my functions to see my API again
34d9167 Trying to get my functions to see my API
b164075 Fixing reference to Rest API
c9585d4 RestApiId not ApiId
1f829de Switching back to a RestApi and avoiding HttpApi completely
c0b31ef Adding route for static web
1921d7e Attempting to switch to HttpApi instead of full API Gateway
7f6b1a4 Adding a front-end url parameter to the cloudformation file
```

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**cloudformation is not easy...**  
**is the documentation the problem?**




The screenshot shows the AWS documentation page for the `AWS::ApiGateway::RestApi` resource. The left sidebar lists various API Gateway resources, with `AWS::ApiGateway::RestApi` selected. The main content area includes a 'Note' stating that the Swagger Specification was donated to the OpenAPI initiative in January 2016, and a 'Syntax' section with a JSON snippet for declaring the resource in a CloudFormation template.

```
JSON
{
  "Type": "AWS::ApiGateway::RestApi",
  "Properties": {
    "ApiKeySourceType": String,
    "BinaryMediaTypes": [String, ... ],
    "Body": Json,
    "BodyS3Location": S3Location,
    "CloneFrom": String,
  }
}
```

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**so what is the problem?**  
**is it me?**

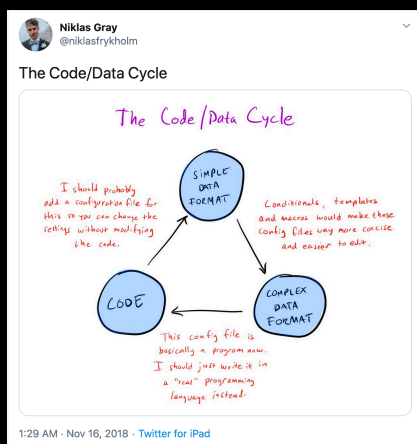


A photograph of a black and white dog sitting at a desk in an office. The dog is looking towards the camera. On the desk, there is a computer monitor displaying a website, a keyboard, a mouse, and a small framed picture. The background shows office shelves and a window with blinds.

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## so what is the problem? is it us?



<https://twitter.com/niklasfrykholm/status/1063242674717679621>

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## so what is the problem answer? some suggestions

- **tooling**
  - cdk
  - better IDE for infrastructure
  - local testing tools?
- **learning**
  - better documentation
  - training?


TULLEN AB GUBBRINGA

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**Thank You!**  
Please send me questions (or answers)...



ryan.adams@instil.co



26TH JUNE  
**SERVERLESS BASH**  
12 NOON

THANKS FOR LISTENING