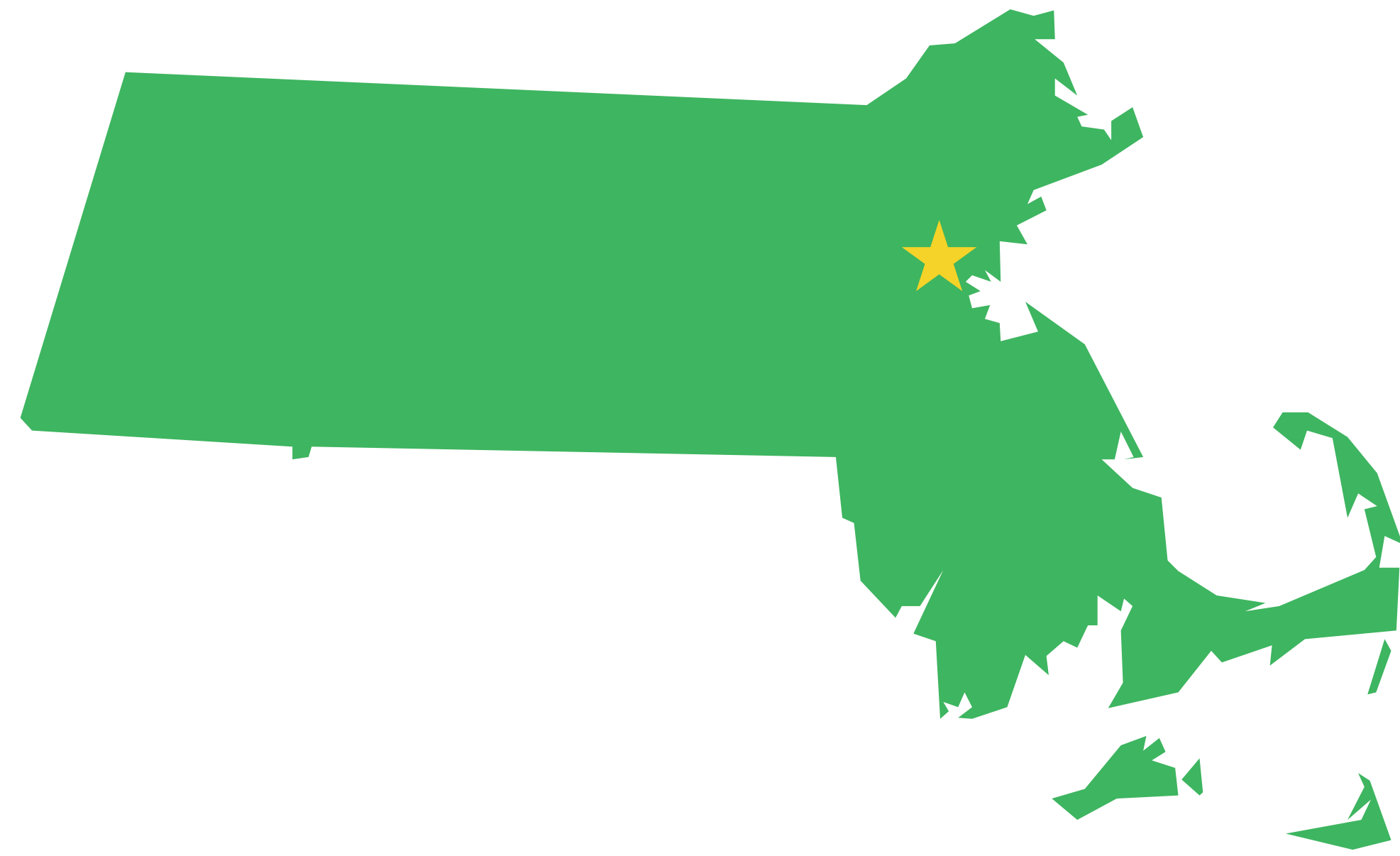


# Nearly Headless Drupal

**Howdy!**  
**I'm an engineer at**  
**Four Kitchens**

**Dustin Younse**  
**@milsyobtaf**





# What Is Headless Drupal?



# Why Headless?

- Content Portability
- Front End Flexibility
- Ease of upgrade / redesign
- Security (Kinda)



# Security, Kinda

www.sxsw.com/CHANGELOG.txt



Drupal 7.39, 2015-08-19

-----

- Fixed security issues (multiple vulnerabilities). See SA-CORE-2015-003.

Drupal 7.38, 2015-06-17

-----

- Fixed security issues (multiple vulnerabilities). See SA-CORE-2015-002.

Drupal 7.37, 2015-05-07

-----

- Fixed a regression in Drupal 7.36 which caused certain kinds of content types to become disabled if they were defined by a no-longer-enabled module.
- Removed a confusing description regarding automatic time zone detection from the user account form (minor UI and data structure change).
- Allowed custom HTML tags with a dash in the name to pass through filter\_xss() when specified in the list of allowed tags.
- Allowed hook\_field\_schema() implementations to specify indexes for fields based on a fixed-length column prefix (rather than the entire column), as was already allowed in hook\_schema() implementations.
- Fixed PDO exceptions on PostgreSQL when accessing invalid entity URLs.
- Added a sites/all/libraries folder to the codebase, with instructions for using it.
- Added a description to the "Administer text formats and filters" permission on the Permissions page (string change).
- Numerous small bug fixes.
- Numerous API documentation improvements.
- Additional automated test coverage.

# Security, Kinda

- /user/login
- /user/reset
- /node/add



# Headless Successes

- The Tonight Show with Jimmy Fallon
  - <http://www.nbc.com/the-tonight-show>
- This Week In Tech
  - <http://twit.tv>
- The Weather Channel
  - <http://www.weather.com>

# Why Not Headless?



**Matt Morgan** I've been having recently a conversation with a dev about how it's important for the back button to behave in expected ways. He says that in the day of the single-page app, people are just going to have to get used to it sending them confusing places. I stopped there.

Like · Reply · June 19 at 10:59pm · Edited



**Jeffrey Zeldman** Yeah, what can you say to that? There's definitely a cultural divide in our profession. Always was, of course. But it's very sharp now.

Like · Just now

# Why Not Headless?

- Complexity of Code
- Complexity of Hosting
- Reliance on Javascript





Nearly Headless?
















# Use Cases

- Limited hosting resources



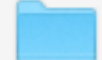
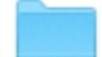













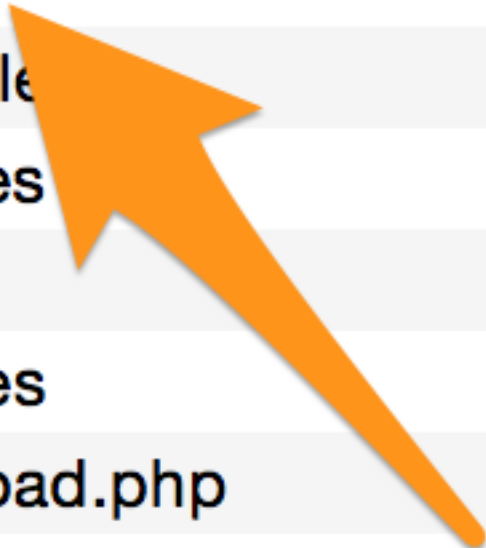
# The URL Came From Inside The Site

# The URL Came From Inside The Site

 core	Sep 4, 2015, 4:56 AM
 html	Sep 8, 2015, 8:28 PM
 modules	Sep 8, 2015, 8:17 PM
 profiles	Sep 8, 2015, 7:58 PM
 sites	Today, 10:06 AM
 themes	Sep 8, 2015, 7:58 PM
 autoload.php	Sep 4, 2015, 4:56 AM
 composer.json	Sep 4, 2015, 4:56 AM
 example.gitignore	Sep 4, 2015, 4:56 AM
 index.php	Sep 4, 2015, 4:56 AM
 LICENSE.txt	Sep 23, 2014, 3:24 PM
 README.txt	Sep 4, 2015, 4:56 AM
 robots.txt	Sep 4, 2015, 4:56 AM
 update.php	Sep 4, 2015, 4:56 AM
 web.config	Sep 4, 2015, 4:56 AM

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 update.php	Sep 4, 2015, 4:56 AM
 web.config	Sep 4, 2015, 4:56 AM



huh  
what?

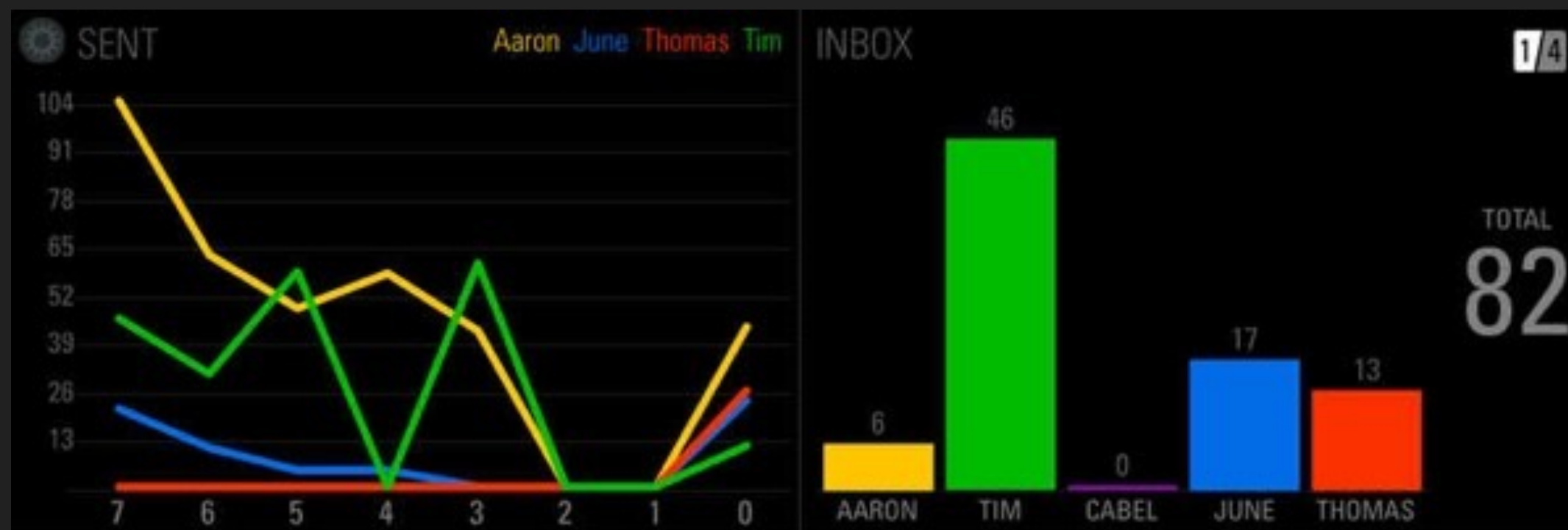
# The URL Came From Inside The Site


















▶	core	Sep 4, 2015, 4:56 AM
▼	html	Today, 10:19 AM
▼	users	Sep 8, 2015, 7:48 PM
▶	js	Sep 8, 2015, 7:28 PM
▶	sample_data	Sep 8, 2015, 7:28 PM
	index.html	Sep 8, 2015, 7:28 PM
	README.md	Sep 8, 2015, 7:28 PM
	users.html	Sep 8, 2015, 7:28 PM
	index.html	Sep 8, 2015, 8:28 PM
▶	modules	Sep 8, 2015, 8:17 PM
▶	profiles	Sep 8, 2015, 7:58 PM
▶	sites	Today, 10:06 AM
▶	themes	Sep 8, 2015, 7:58 PM
	autoload.php	Sep 4, 2015, 4:56 AM
	composer.json	Sep 4, 2015, 4:56 AM
	example.gitignore	Sep 4, 2015, 4:56 AM


# Use Cases

- Limited hosting resources
- Prototyping
- Incremental upgrade plan
- Adding external features






NAME		PROGRESS	TEAM
	AUDION	<div><div></div></div>	 
	CODA	<div><div></div></div>	  
	PROMPT	<div><div></div></div>	 
	TRANSMIT	<div><div></div></div>	  
	STATUS BOARD	<div><div></div></div>	 

 3 DAYS Coda iOS Release

 Cabel Sasser's 2015 Fourth of July Fireworks Roundup

 Updates: Coda 2.5.11 went out to prepare for Coda iOS, and Prompt...

VISITORS ON PANIC



71

VISITORS ON PANIC

# Drupal 8 Makes It Easy



# Drupal 8 Makes It Easy(ish)

- Views now in core
- REST Exports now in core
- New Javascript now in core
- Adding 3rd Party Javascript easier than ever

# API Basics

- APIs as a contract
  - Versioning
- Create an interface, not an implementation
- API Design, The Musical, David Diers

# API Tools and Resources

- POSTMan / Newman
  - <https://www.getpostman.com/>
- JSONView
  - <http://jsonview.com/>
- apiary
  - <https://apiary.io/>
- [API Design, The Musical](#)
  - David Diers



# Demo Time!



We're Hiring!



<http://fourkitchens.com/careers>



# Thank you!



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