Third & Grove

Gatsby and Drupal Sitting in a Tree

Drupal Corn 2019

Who Am I... and why should you care?

Name: Shane Thomas

Relevance: Senior Developer at Third & Grove

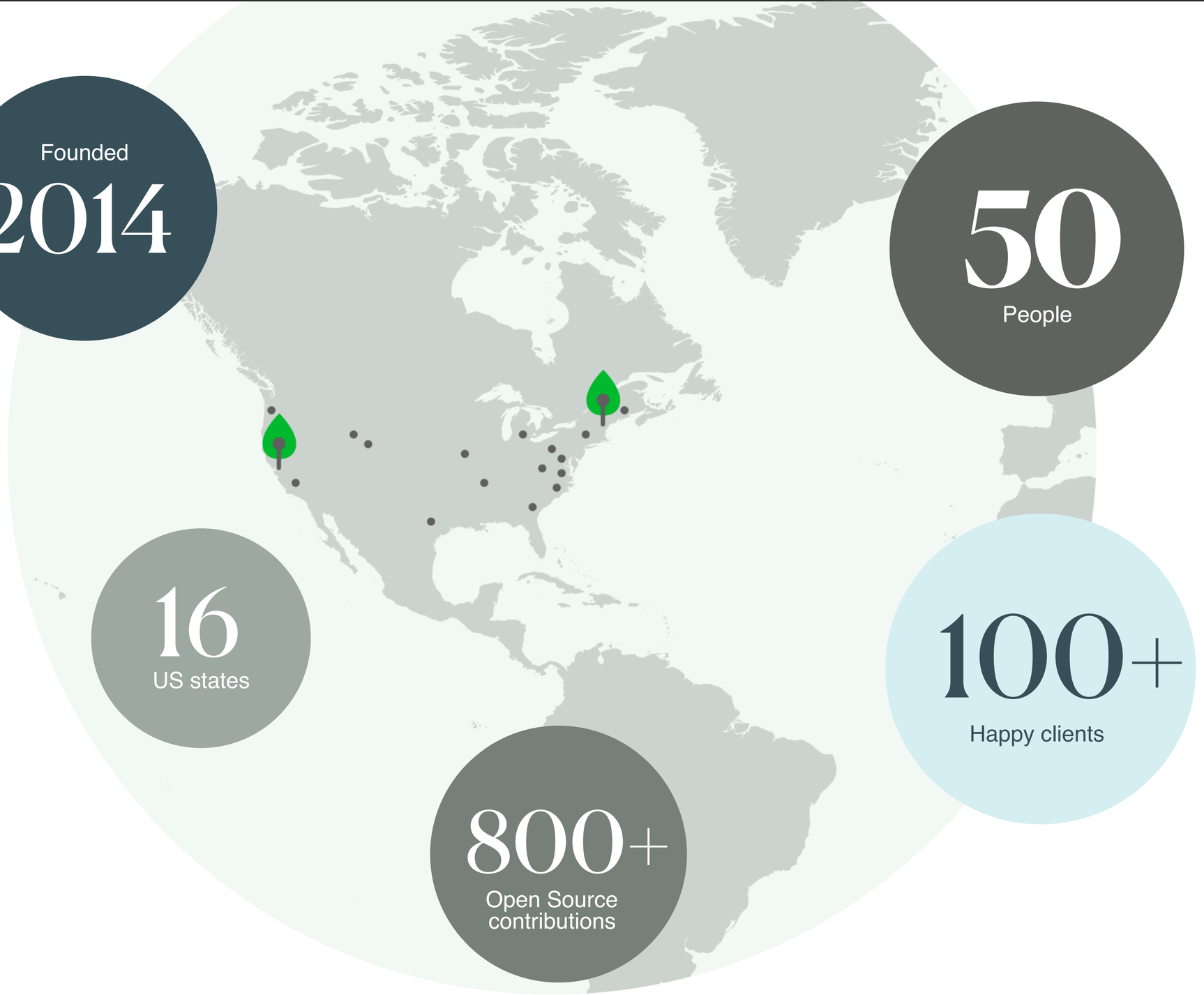
What else:

- I created CodeKarate.com with hundreds of Drupal videos
- I am the maintainer of the Gatsby Drupal module

Twitter Handle: @smthomas3

Additional Skills:

- Unknown


Founded
2014
50
People
16
US states
100+
Happy clients
800+
Open Source
contributions

What are we talking about today?

1. ~~Introductions~~
2. Gatsby / Drupal Overview
3. Live Demo #1 - Gatsby / Drupal
4. Live Demo #2 - Live Preview
5. Live Demo #3 - Live Preview Setup
6. The Future

Third & Grove™

Getting a read on the room

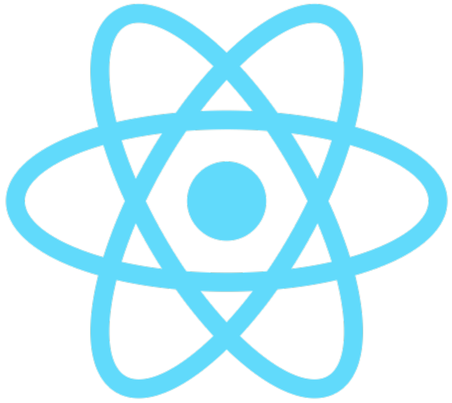
Gatsby is a free and open source framework based on React that helps developers build blazing fast websites and apps

— Gatsbyjs.org

Gatsby

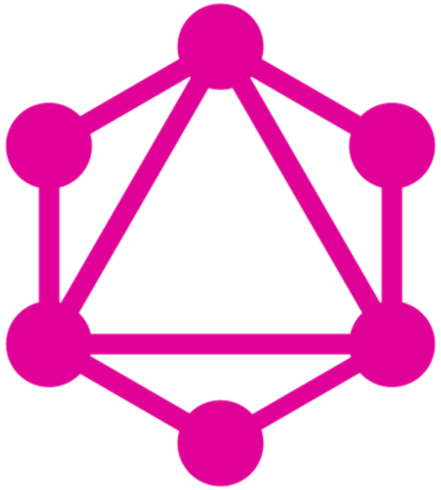
ReactJS is a JavaScript library for building user interfaces

— ReactJS.org



GraphQL is a query language for your API

— GraphQL.org



Third & Grove™

The Common Misperception

“Gatsby is really great for static websites, but it won’t really work for my site”

— Random Developer I met on the street

Gatsby is a framework for building progressive web applications

Anything you can build in React, you can build in Gatsby. In fact, I would recommend just replacing **Create React App**, with **Gatsby** and starting from there.

Benefits of Using Gatsby:

- Build static sites and progressive web applications
- Provides sensible default configuration with the ability to override what you need
- Performance optimizations around image processing and intersection observer page loading
- Expansive ecosystem (if you like Drupal modules, you will like Gatsby plugins/ themes)
- Unified GraphQL Data layer (bring your own content and APIs)

Third & Grove™

…but isn't my current CMS good enough?

Okay... you convinced me, but what do I need to know to get started?

Step 1: Set up your Drupal 8 Site

Install the JSON:API Module....

Yep, that's it!

Step 2 - Install Gatsby

```
gatsby new [project-name]
```

cd into the new directory

```
npm install —save gatsby-source-drupal
```

OR

```
yarn add gatsby-source-drupal
```

Step 3: Configure Gatsby to pull data from Drupal

- gatsby-config.js - Configure your Gatsby site to pull content from your Drupal site
- gatsby-node.js - Runs at build time to turn your Drupal nodes into Gatsby pages
- Graphql - Used to query data from your Drupal site
- React components - create React components to display your content

Before we look at the code...
write this down:

CodeKarate.com

Let’s live a little dangerously

Time for a Live Demo

Third & Grove™

Demo #1 - Drupal & Gatsby Setup

Third & Grove™

The Problem

THIRD AND GROVE

Demo #2 - Live Preview

https://dev-third-and-grove-cm...

Manage | Search | thegreatcms

Edit Case Study Quicken

View | Edit | Delete | Revisions

Home » Node » Quicken

Main * | Hero and Teaser Images *

Title *

Quicken!!!

Subtitle *

Pioneering headless commerce for Quicken

Tags *

Strategy (1), Engineering (2), Drupal (3), UX (5), UI (6)

COMPONENTS *

Show row weights

	Label	Type	Operations
✥	Default ▾ CSS class(-es	Text Split with Image	Edit Remove
✥	Default ▾ CSS class(-es	Text Split with Image	Edit Remove
✥	Default ▾ CSS class(-es	Quote	Edit Remove

https://tagd8-gatsby-8325714634.gtsb.io/case-...

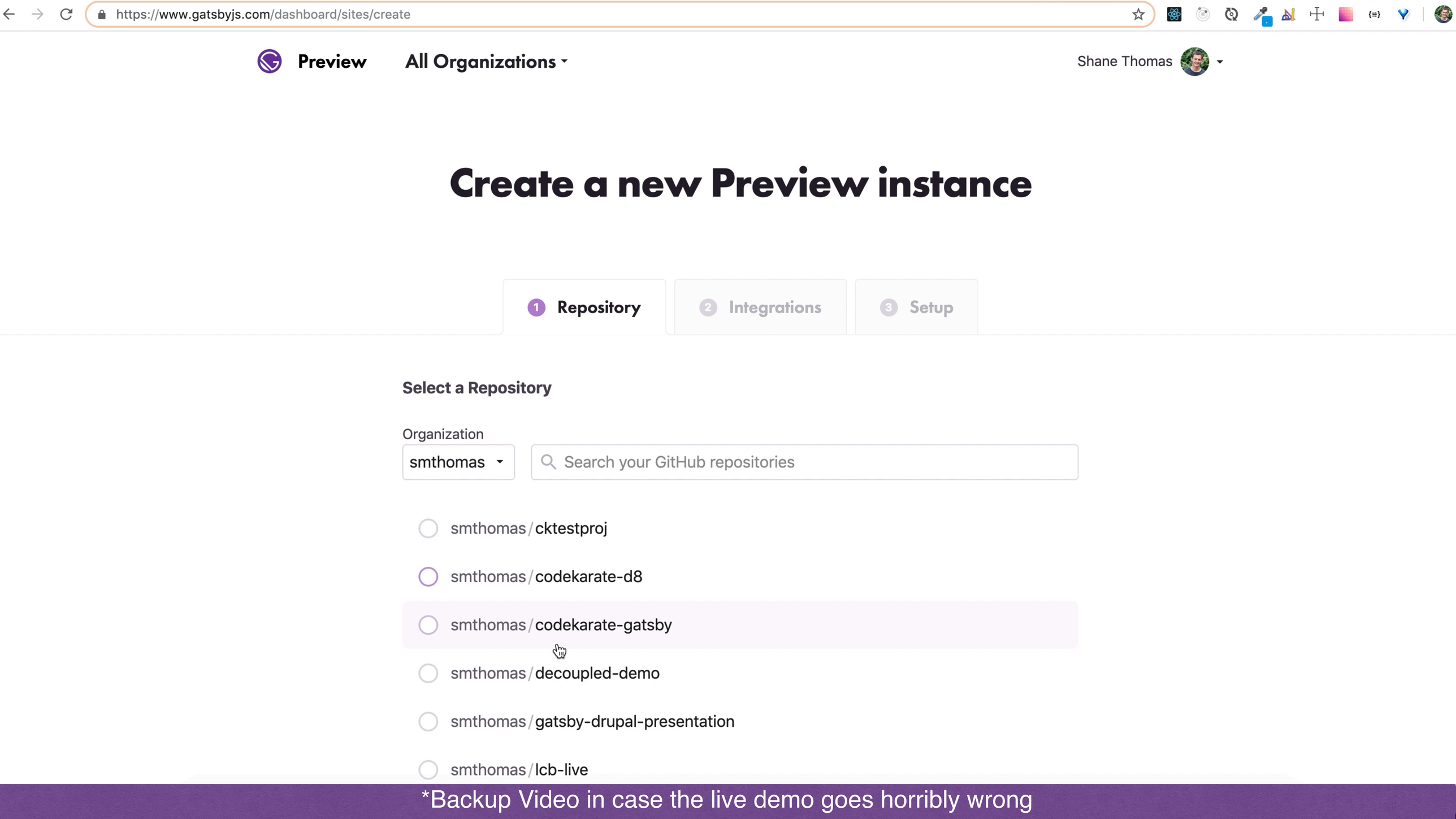
TAG

Strategy, Engineering, Drupal, UX, UI

Quicken

*Backup Video in case the live demo goes horribly wrong

Demo 3 - Live Preview Setup


https://www.gatsbyjs.com/dashboard/sites/create
Preview
All Organizations
Shane Thomas
Create a new Preview instance
1 Repository
2 Integrations
3 Setup
Select a Repository
Organization
smthomas
Search your GitHub repositories
smthomas/cktestproj
smthomas/codekarate-d8
smthomas/codekarate-gatsby
smthomas/decoupled-demo
smthomas/gatsby-drupal-presentation
smthomas/lcb-live
*Backup Video in case the live demo goes horribly wrong

Not Secure | dev-gatsby-preview-test.pantheonsite.io/en/admin/config/gatsby/settings

Back to site | Manage | Shortcuts | Search | admin | This site is intended for demonstration purposes.

Content | Structure | Appearance | Extend | Configuration | People | Reports | Help

GatsbyAdminForm

Home » Administration » Configuration

Gastby Preview Server URL

https://decoupled-demo-6358115564.gtsb.io

The URL to the Gatsby preview server (with port number if needed)

Save configuration

*Backup Video in case the live demo goes horribly wrong

Edit Article The Umami guide t

Not Secure | dev-gatsby-preview-test.p...

Manage | Shortcuts | Search | admin | This site is intended for demonstration purposes.

Edit Article The Umami guide to our favorite mushrooms

View | Edit | Delete | Revisions | Translate

Home » The Umami guide to our favorite mushrooms...

Title *

The Umami guide to our favorite mushrooms

Body (Edit summary)

Format | Source

We think mushrooms are one of the most enjoyable ingredients to cook with. There are plenty of edible varieties to try, each with their own distinctive shape, size, and taste. And with curious names such as chanterelle, the gypsy, horn of plenty, or hen of the woods, who wouldn't want to know more about cooking with the mighty mushroom?

One of the best things about mushrooms is their versatility. They can be fried, roasted, grilled, steamed, or even cooked in the microwave. And they can be served as the main ingredient for a dish, or simply added as part of the mix. This makes mushrooms an ideal choice for creating absolutely delicious vegetarian dishes.

So let's take a look at some of our favorite types of mushroom. You might not have tried cooking with them before but don't let that put you off. With their delicious, distinctive flavors you can easily transform soups, starters, sauces and create amazing pasta, or stir-fry dishes.

Try the lovely **shiitake**. Used in Asian cooking, these can be purchased dried and rehydrated for a strong, deep flavor. Or buy fresh and add to soups and stir-fries. Not only does this mushroom have an intense flavor, it looks lovely too. The deep brown and smooth shapes will provide texture to your meal. In their dried form and rehydrated, these are the perfect addition for

Published

Last saved: *07/17/2019 - 14:59*

Author: Umami

Create new revision

Revisions are required.

Revision log message

Briefly describe the changes you have made.

▸ MENU SETTINGS

▸ TRANSLATION

▾ URL ALIAS

URL alias

/articles/the-umami-guide-to-ou

Specify an alternative path by which this data can be accessed. For example, type "/about" when writing an about page.

▸ AUTHORING INFORMATION

https://decoupled-demo-6358

https://decoupled-demo-6358115564.g...

Gatsby Default Starter

The Umami guide to our favorite mushrooms

We think mushrooms are one of the most enjoyable ingredients to cook with. There are plenty of edible varieties to try, each with their own distinctive shape, size, and taste. And with curious names such as chanterelle, the gypsy, horn of plenty, or hen of the woods, who wouldn't want to know more about cooking with the mighty mushroom?

One of the best things about mushrooms is their versatility. They can be fried, roasted, grilled, steamed, or even cooked in the microwave. And they can be served as the main ingredient for a dish, or simply added as part of the mix. This makes mushrooms an ideal choice for creating absolutely delicious vegetarian dishes.

So let's take a look at some of our favorite types of mushroom. You might not have tried cooking with them before but don't let that put you off. With their delicious, distinctive flavors you can easily transform soups, starters, sauces and create amazing pasta, or stir-fry dishes.

Try the lovely **shiitake**. Used in Asian cooking, these can be purchased dried and rehydrated for a strong, deep flavor. Or buy fresh and add to soups and stir-fries. Not only does this mushroom have an intense flavor, it looks lovely too. The deep brown and smooth shapes will provide texture to your meal. In their dried form and rehydrated, these are the perfect addition for a deep and flavorful stock for a risotto.

The gorgeous sunny **chanterelle** with its yellow flesh has a fruity flavor - but it is worth mentioning that there are many lookalikes out there and care should be taken to ensure you're eating the right ones. These look great in an omelette or an Asian soup to complement the yellow tones.

*Backup Video in case the live demo goes horribly wrong

So what is the future of Live Preview?

A More Integrated Editing Experience

Manage | Shortcuts | Search | admin | Deployments (4 total changes)

Content | Structure | Appearance | Extend | Configuration | People | Reports | Help

Hero Media

PREVIEW EDIT

Ready, Install, Go.

About Rain

Marketing, IT, and web teams are constantly looking for ways to simplify processes on the backend, while mainatining a great customer experience on the frontend. Our RAIN install profile does just that.

Card

PREVIEW EDIT

What is Rain?

Open Source Solution

Launch Sooner With A Lightning Fast Website

We've assembled and packaged the best open source tools from the Drupal community into an installation profile that expedites website creation, configuration and deployment. Included in the base starter theme are 11 content

Quote

PREVIEW EDIT

Websites using Gatsby are consistently 2-3X faster than similar sites

Kyle Mathews, Founder of GatsbyJS

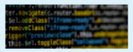
https://www.gatsbyjs.org/blog/2017-09-13-why-is-gatsby-so-fast/

Card

PREVIEW EDIT

Get A Jump-Start

Built-in Features



Begin A Build With Foundation And Materials

RAIN is packed with time-saving features for theme setup and deployment, however we've also paid special attention to creating an intuitive content editing experience. This includes 11 content components, WYSIWYG paragraph

Breaker

PREVIEW EDIT

Content Building Blocks

Components Included

RAIN offers 11 time-saving content components with enhanced paragraph and media management. These are: Hero, Card, Full Width Card, Card List, Image Gallery, Media, Quote, Accordion, Contact Form, FAQ and Map, By providing the baseline functionality for each, we can dive right into styling, as they are completely customizable to accommodate any design.

Card

PREVIEW EDIT

Don't Build From Scratch Every Time

Published

Last saved: *09/13/2019 - 11:23*

Author: admin

Create new revision

Revision log message

▶ MENU SETTINGS

▶ META TAGS

▶ SCHEDULING OPTIONS

▶ SIMPLE XML SITEMAP

▶ URL REDIRECTS

▼ URL ALIAS

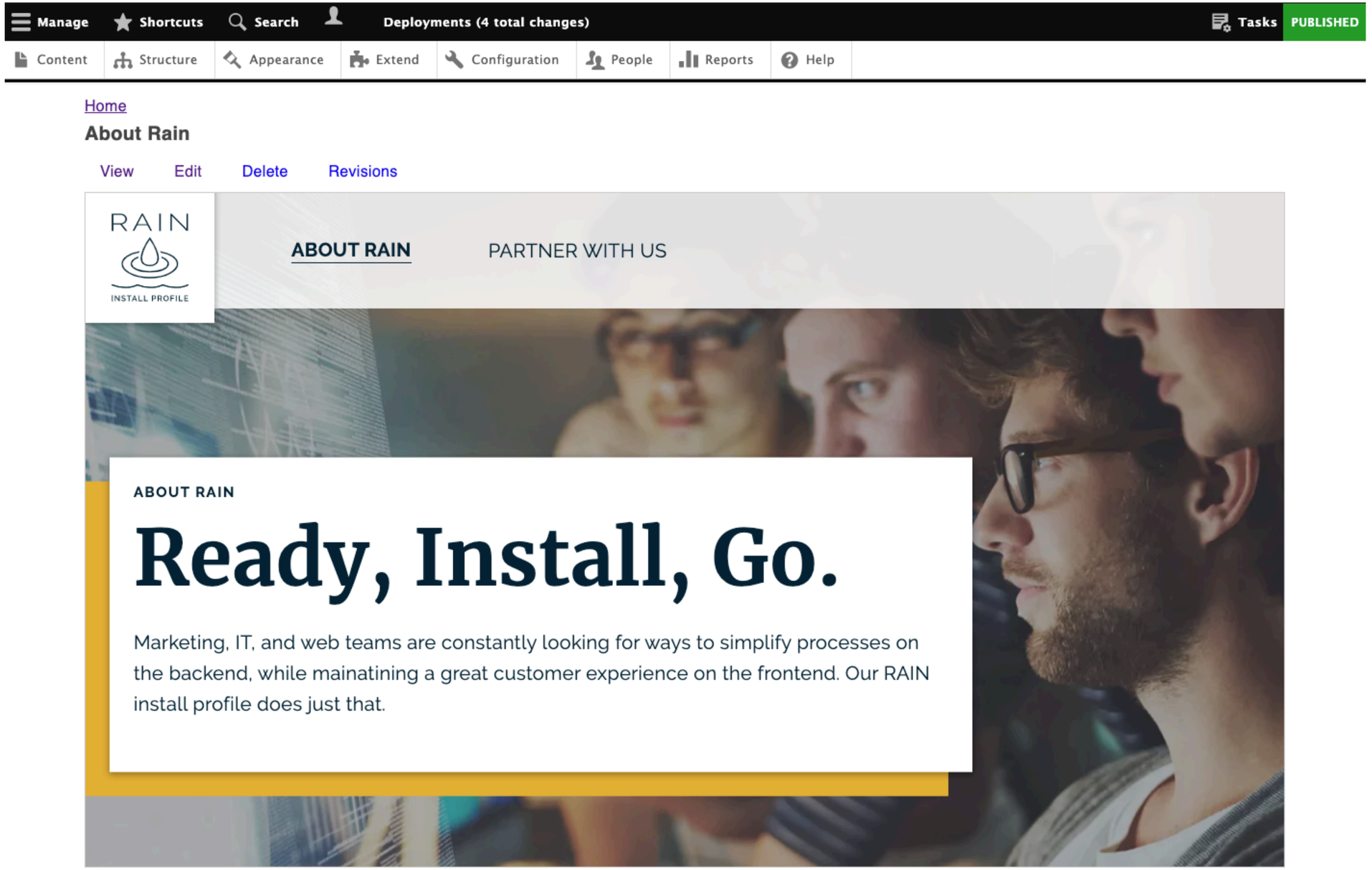
Generate automatic URL alias

URL alias

/page/about-rain

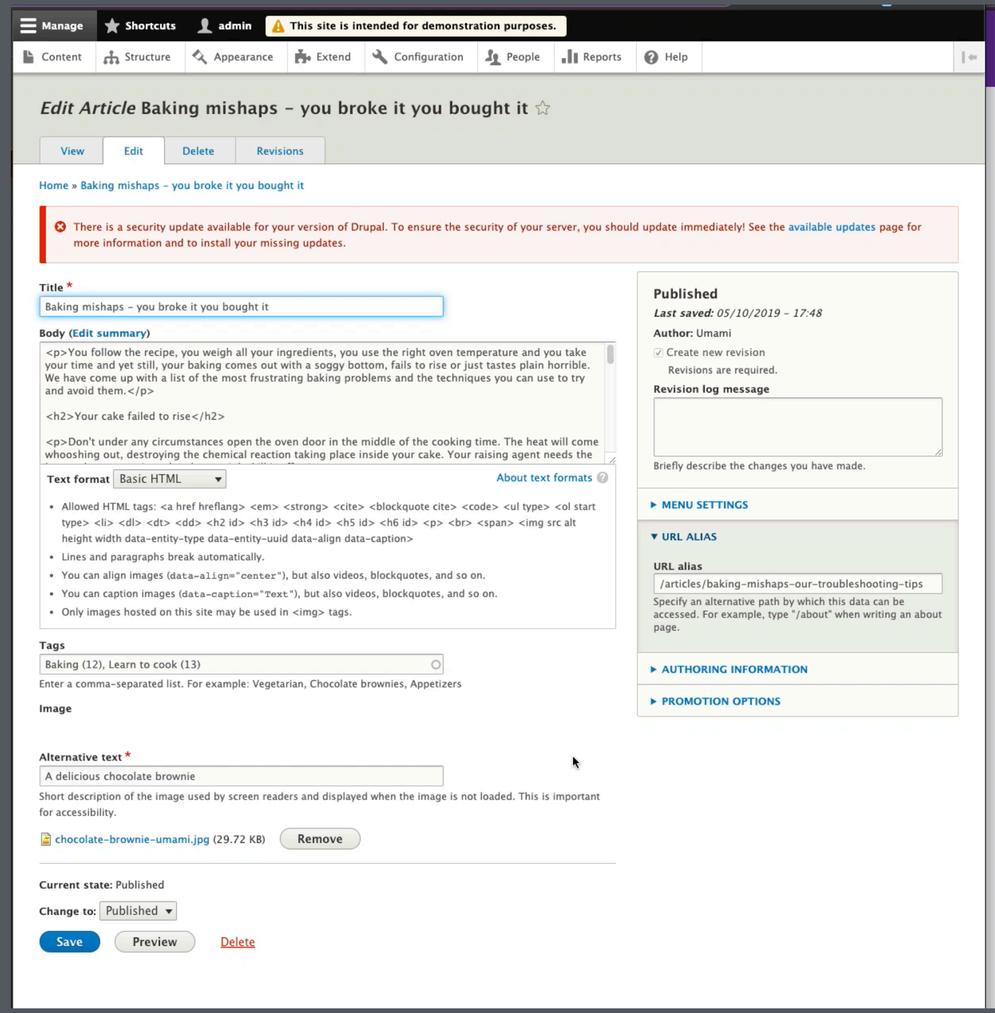
▶ AUTHORING INFORMATION

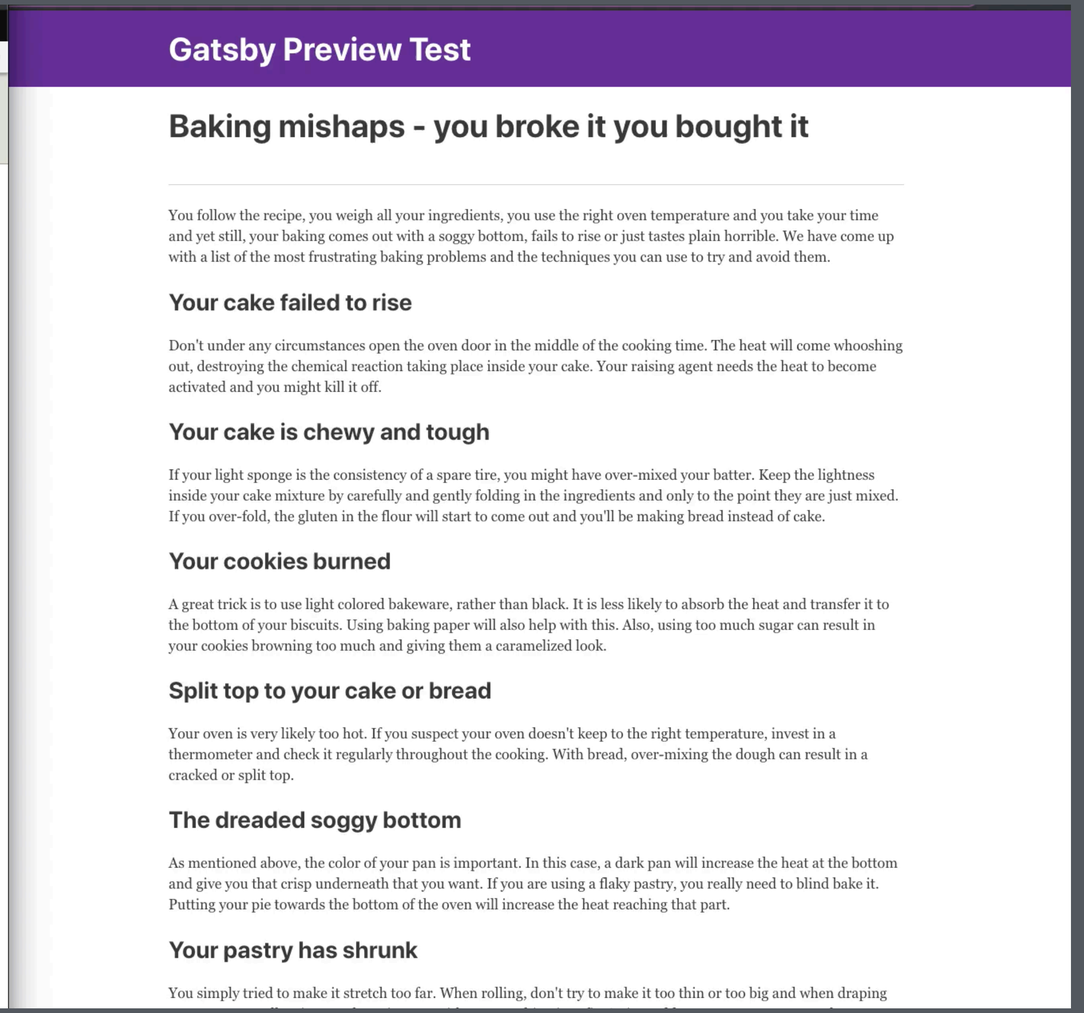
SAVE | OPEN GATSBY PREVIEW | Delete


Manage
Shortcuts
Search
Deployments (4 total changes)
Tasks
PUBLISHED
Content
Structure
Appearance
Extend
Configuration
People
Reports
Help
Home
About Rain
View
Edit
Delete
Revisions
RAIN
INSTALL PROFILE
ABOUT RAIN
PARTNER WITH US
ABOUT RAIN
Ready, Install, Go.
Marketing, IT, and web teams are constantly looking for ways to simplify processes on the backend, while mainatining a great customer experience on the frontend. Our RAIN install profile does just that.

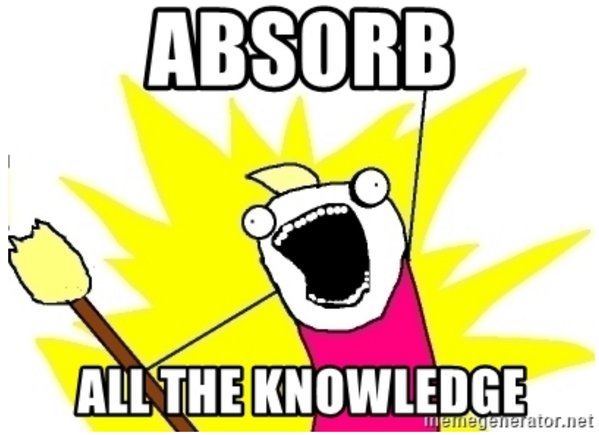
Integration with Drupal's Content Moderation system

Keystroke Preview





Let's Recap!



1. Gatsby is not just for your static sites!
2. The gatsby-source-drupal plugin allows you to pull content from your Drupal 8 website
3. GraphQL allows you to query your Drupal data
4. Display your pages with React components

Interested in helping out?

- Test out Live Preview and report any issues
- Join the Drupal Slack discussion in the #gatsby or #contenta channel

Resources

Drupal Module: https://www.drupal.org/project/gatsby

Gatsby Source Drupal Documentation: https://www.gatsbyjs.org/packages/gatsby-source-drupal/

Gatsby Cloud: https://www.gatsbyjs.com/

Gatsby Demo Repo: https://github.com/smthomas/gatsby-preview

Code Karate Website (for Gatsby Videos): https://codekarate.com

Third & Grove Github: https://github.com/thirdandgrove/

Twitter: smthomas3
Youtube: codekarate

Thanks!

shane@codekarate.com
Twitter: smthomas3

Third & Grove™

Questions?