

Gatsby and Drupal Sitting in a Tree

New England Drupal Camp 2019

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



Name: Shane Thomas

Relevance: Senior Developer at Third & Grove

What else:

- I created [CodeKarate.com](https://codekarate.com) with hundreds of Drupal videos
- I am the maintainer of the Gatsby Drupal module

Twitter Handle: @smthomas3

Additional Skills:

- Unknown

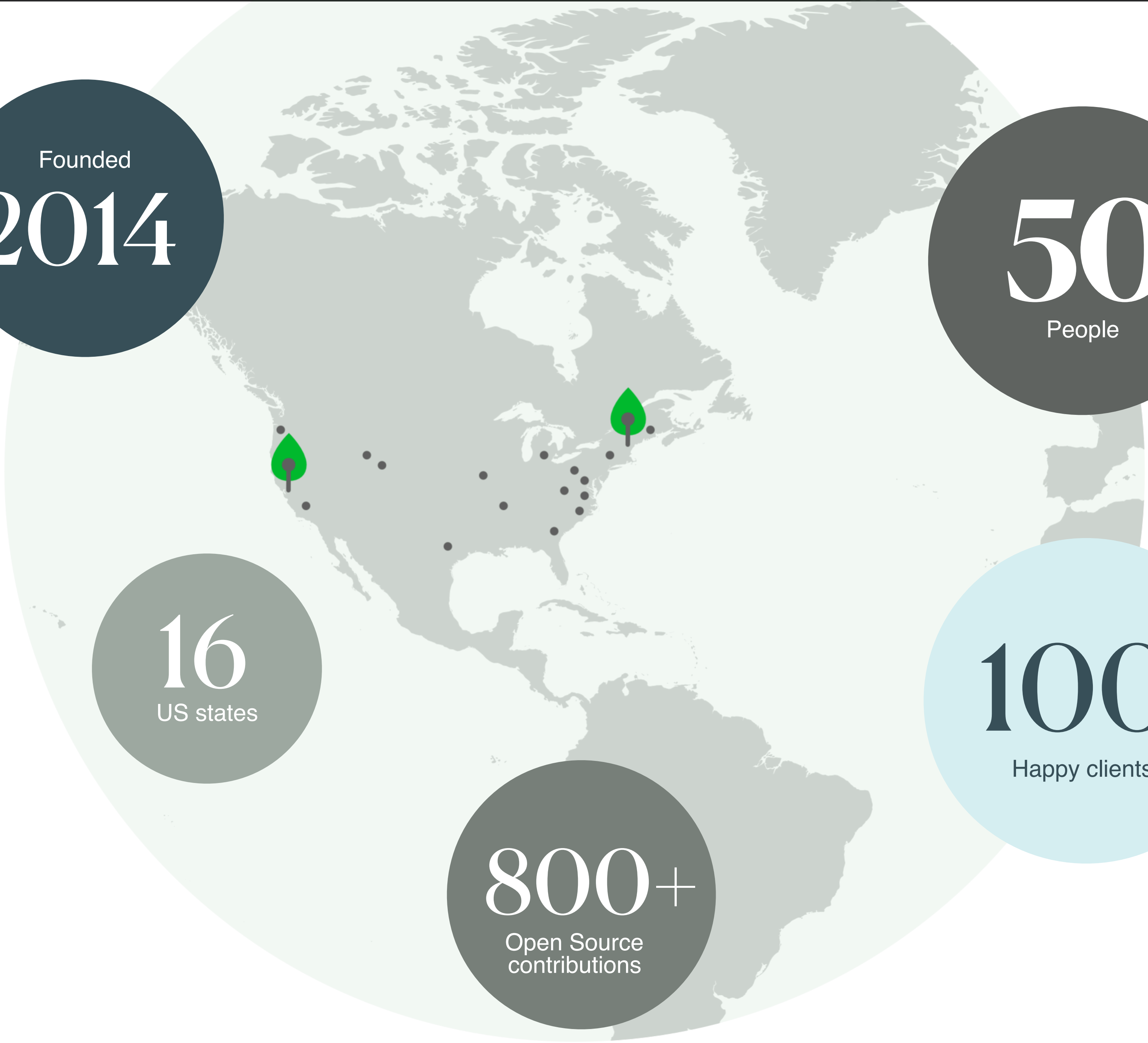
Founded
2014

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



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

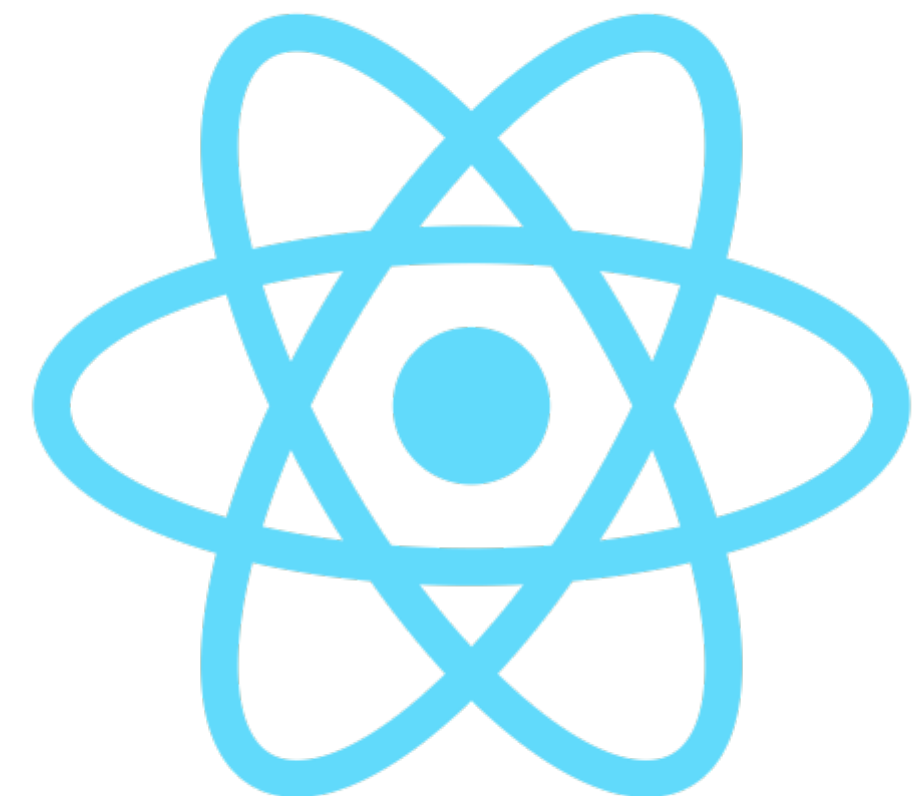
— [Gatsbyjs.org](https://gatsbyjs.org)



Gatsby

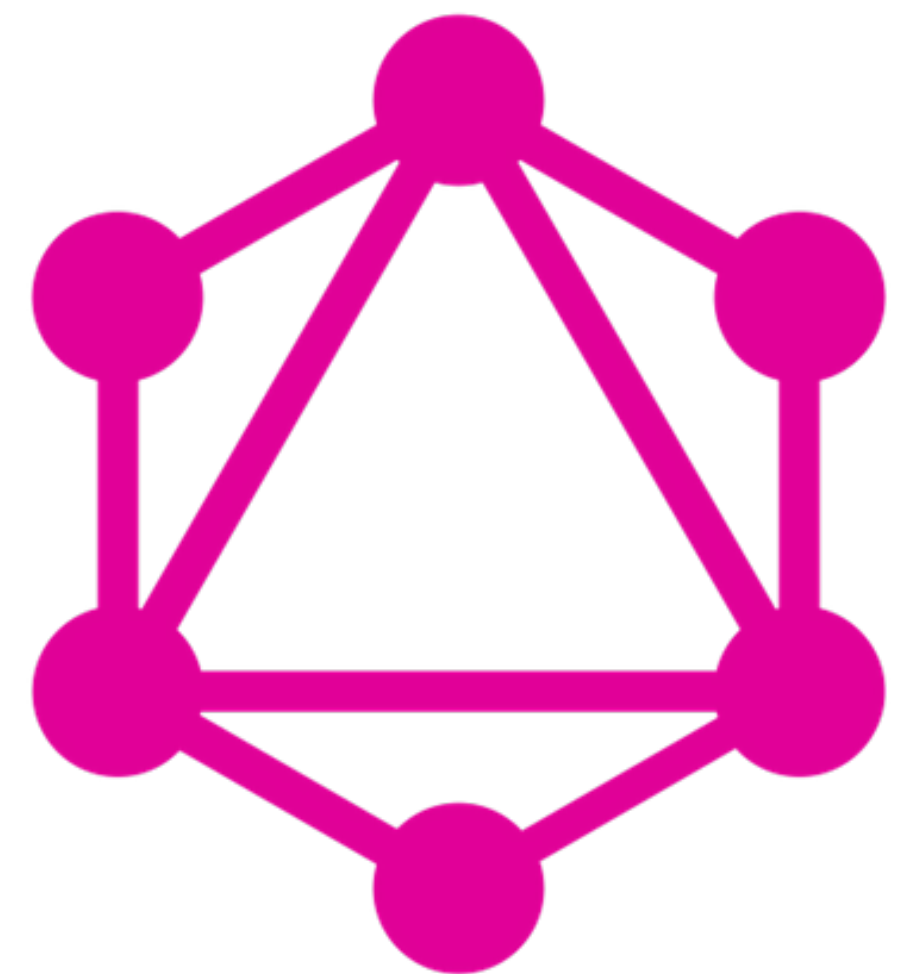
ReactJS is a JavaScript library for building user interfaces

— [ReactJS.org](https://reactjs.org)



GraphQL is a query language for your API

— [GraphQL.org](https://graphql.org)



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)

...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



Demo #1 - Drupal & Gatsby Setup



The Problem

THIRD AND GROVE

Demo #2 - Live Preview

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
⛶	<div>Default ▾</div> <div>CSS class(-es)</div>	Text Split with Image	<div>Edit</div> <div>Remove</div>
⛶	<div>Default ▾</div> <div>CSS class(-es)</div>	Text Split with Image	<div>Edit</div> <div>Remove</div>
⛶	<div>Default ▾</div> <div>CSS class(-es)</div>	Quote	<div>Edit</div> <div>Remove</div>

TAG

Strategy, Engineering, Drupal, UX, UI

Quicken

*Backup Video in case the live demo goes horribly wrong



Demo 3 - Live Preview Setup



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

GatsbyAdminForm ☆

[Home](#) » [Administration](#) » [Configuration](#)

Gastby Preview Server URL

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

Save configuration

Edit Article The Umami guide to our favorite mushrooms

← → ↺

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)

B

I

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🔗

☰

☰

”

🖼️

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.

▶ AUTHORIZING INFORMATION

▶ PROMOTION OPTIONS

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?

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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.

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

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.


PREVIEW

EDIT

Card

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 components that are easily customized for any design. Since RAIN is powered by GatsbyJS, launched sites are lightning fast with little to no server load.

PREVIEW

EDIT

Quote

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/>


PREVIEW

EDIT

Card

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 editor, media management, states and classes configuration, content scheduling, editor permissions management and more.


PREVIEW

EDIT

Breaker

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.

PREVIEW

EDIT

Card

Don't Build From Scratch Every Time

PREVIEW

EDIT

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

[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

Manage

Shortcuts

admin

This site is intended for demonstration purposes.

Content

Structure

Appearance

Extend

Configuration

People

Reports

Help

Edit Article

Baking mishaps – you broke it you bought it

☆

View

Edit

Delete

Revisions

Home » Baking mishaps – you broke it you bought it

✖ There is a security update available for your version of Drupal. To ensure the security of your server, you should update immediately! See the [available updates](#) page for more information and to install your missing updates.

Title *

Baking mishaps – you broke it you bought it

Body (Edit summary)

<p>You follow the recipe, you weigh all your ingredients, you use the right oven temperature and you take your time and yet still, your baking comes out with a soggy bottom, fails to rise or just tastes plain horrible. We have come up with a list of the most frustrating baking problems and the techniques you can use to try and avoid them.</p>

<h2>Your cake failed to rise</h2>

<p>Don't under any circumstances open the oven door in the middle of the cooking time. The heat will come whooshing out, destroying the chemical reaction taking place inside your cake. Your raising agent needs the

Text format

Basic HTML

About text formats

- Allowed HTML tags: <a href hreflang> <cite> <blockquote cite> <code> <ul type> <ol start type> <dl> <dt> <dd> <h2 id> <h3 id> <h4 id> <h5 id> <h6 id> <p>

- Lines and paragraphs break automatically.
- You can align images (data-align="center"), but also videos, blockquotes, and so on.
- You can caption images (data-caption="Text"), but also videos, blockquotes, and so on.
- Only images hosted on this site may be used in tags.

Tags

Baking (12), Learn to cook (13)

Enter a comma-separated list. For example: Vegetarian, Chocolate brownies, Appetizers

Image

Alternative text *

A delicious chocolate brownie

Short description of the image used by screen readers and displayed when the image is not loaded. This is important for accessibility.

chocolate-brownie-umami.jpg (29.72 KB)

Remove

Published

Last saved: 05/10/2019 – 17:48

Author: Umami

☒ Create new revision

Revisions are required.

Revision log message

Briefly describe the changes you have made.

MENU SETTINGS

URL ALIAS

URL alias

/articles/baking-mishaps-our-troubleshooting-tips

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

AUTHORING INFORMATION

PROMOTION OPTIONS

Current state: Published

Change to: Published

Save

Preview

Delete

Gatsby Preview Test

Baking mishaps - you broke it you bought it

You follow the recipe, you weigh all your ingredients, you use the right oven temperature and you take your time and yet still, your baking comes out with a soggy bottom, fails to rise or just tastes plain horrible. We have come up with a list of the most frustrating baking problems and the techniques you can use to try and avoid them.

Your cake failed to rise

Don't under any circumstances open the oven door in the middle of the cooking time. The heat will come whooshing out, destroying the chemical reaction taking place inside your cake. Your raising agent needs the heat to become activated and you might kill it off.

Your cake is chewy and tough

If your light sponge is the consistency of a spare tire, you might have over-mixed your batter. Keep the lightness inside your cake mixture by carefully and gently folding in the ingredients and only to the point they are just mixed. If you over-fold, the gluten in the flour will start to come out and you'll be making bread instead of cake.

Your cookies burned

A great trick is to use light colored bakeware, rather than black. It is less likely to absorb the heat and transfer it to the bottom of your biscuits. Using baking paper will also help with this. Also, using too much sugar can result in your cookies browning too much and giving them a caramelized look.

Split top to your cake or bread

Your oven is very likely too hot. If you suspect your oven doesn't keep to the right temperature, invest in a thermometer and check it regularly throughout the cooking. With bread, over-mixing the dough can result in a cracked or split top.

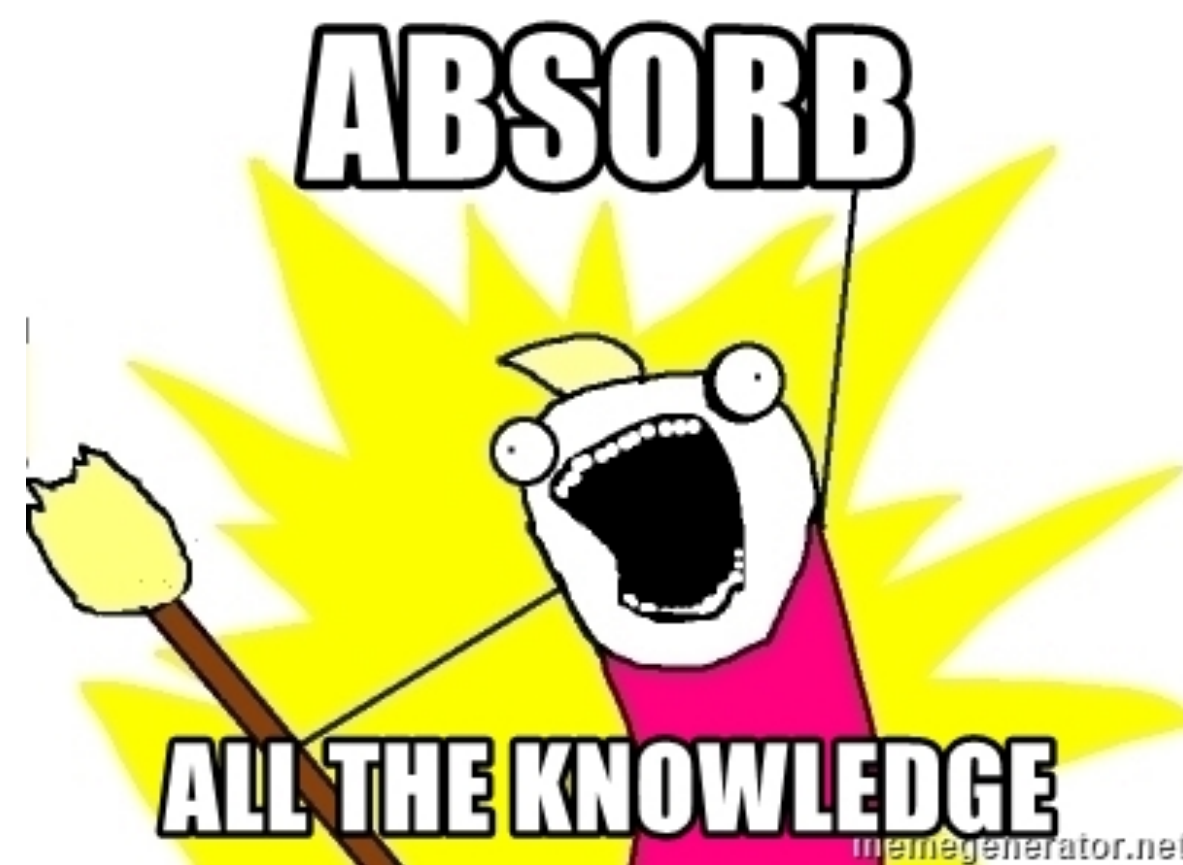
The dreaded soggy bottom

As mentioned above, the color of your pan is important. In this case, a dark pan will increase the heat at the bottom and give you that crisp underneath that you want. If you are using a flaky pastry, you really need to blind bake it. Putting your pie towards the bottom of the oven will increase the heat reaching that part.

Your pastry has shrunk

You simply tried to make it stretch too far. When rolling, don't try to make it too thin or too big and when draping

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/smithomas/gatsby-preview>

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

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

Twitter: smithomas3

Youtube: codekarate



Thanks!

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Twitter: smthomas3



Questions?
