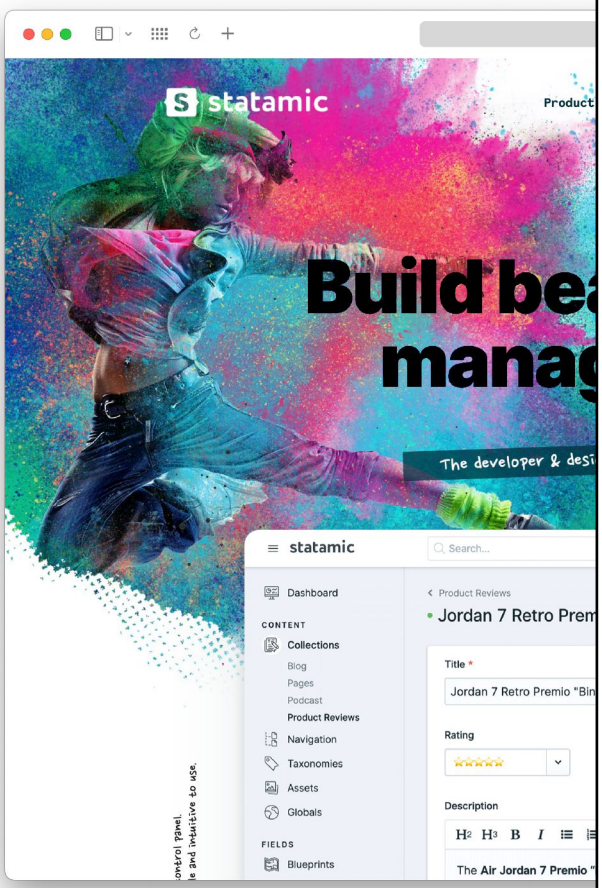
statamic


statamic
Build be
manag
The developer & desi
statamic
Search...
Dashboard
CONTENT
Collections
Blog
Pages
Podcast
Product Reviews
Navigation
Taxonomies
Assets
Globals
FIELDS
Blueprints
Product Reviews
Jordan 7 Retro Prem
Title *
Jordan 7 Retro Premio "Bin
Rating
Description
The Air Jordan 7 Premio

Hi, I'm Daniel

I enjoy working at the intersection of
design × code

- Working on the web since ~2004
- Full time freelancer for 1,5 years (July 2021) **I care about **
- Typography
- Accessibility
- Sustainability
- Performance
- Minimizing Noise
- UX

Tools

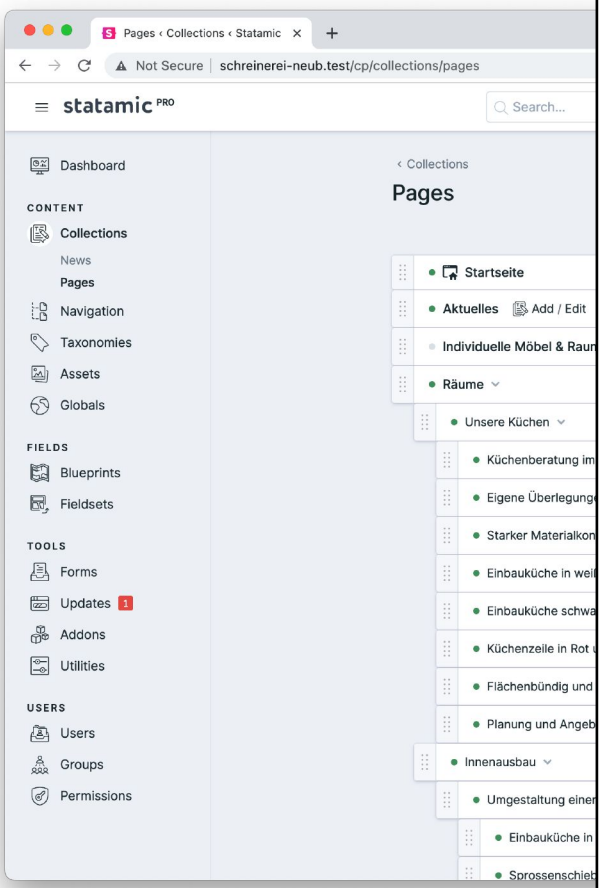
- Tailwind CSS
- Alpine JS
- Figma
- Statamic

Personal CMS History

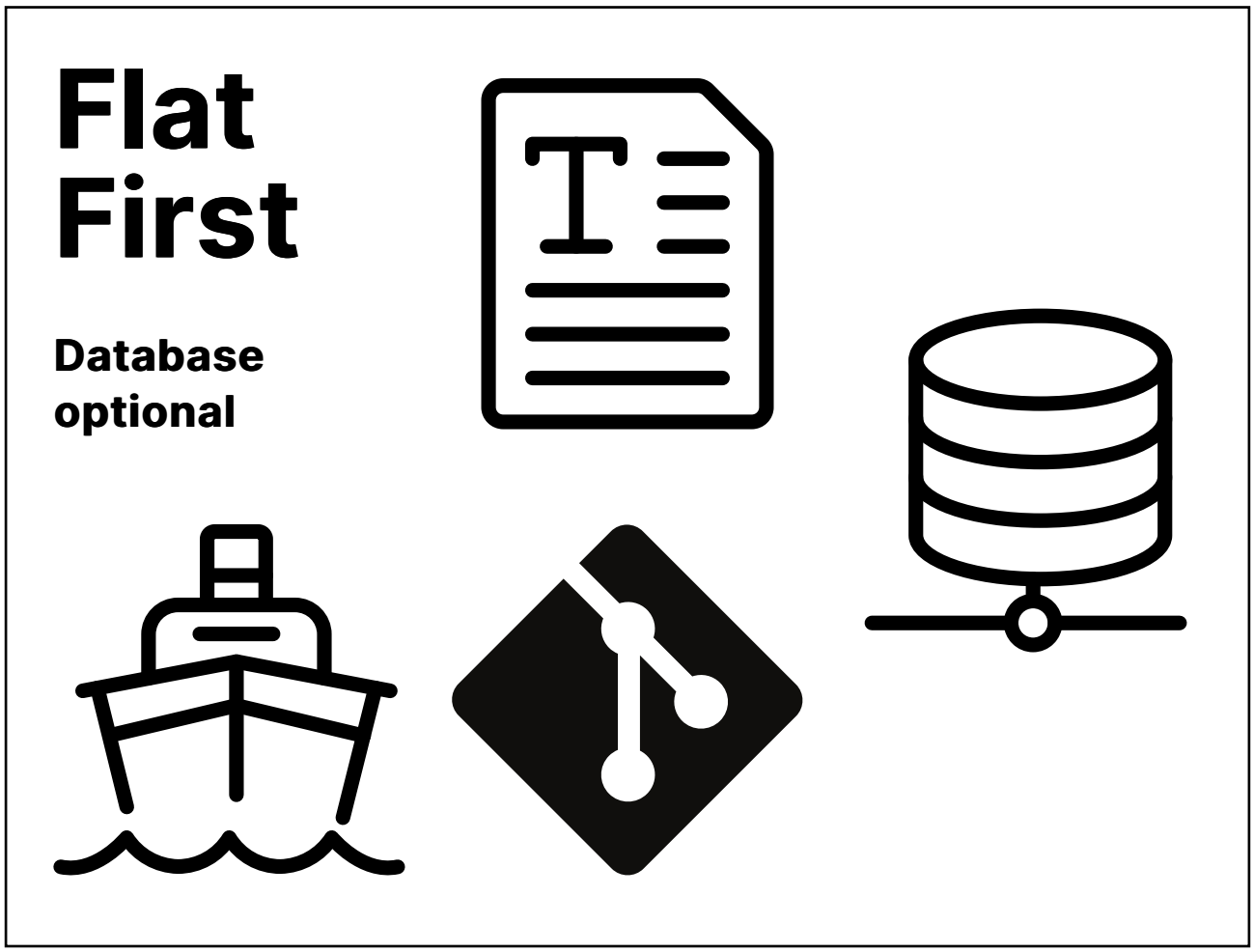
- Some forced upon, some voluntarily

Stata… what?

Mediocre pun, awesome CMS



- Great DX
- Great editor UX (fun UI, live preview)
- Cool for designers, developers and editors **Flat File**
- Database can be used if necessary
- Content can be tracked in Git
- Easy to deploy
- Simple to backup
- Fast to clone



- Content can be tracked in Git
- Easy to deploy
- Simple to backup
- Fast to clone
- Database possible if desired

DX

Laravel

TailwindCSS

VS Code Extension

AlpineJS

Documentation

Community

- Works great with Tailwind & Alpine
- Small but responsive and friendly community Discord and Github
- Fast development
- Painless upgrades
- Laravel based
- Great documentation
- Very good VS Code extension
- Fun to work with

I enjoy building sites with Statamic.

- Not fighting the system
- Direct relation between data and template
- nothing "in the way"
- many things work as expected

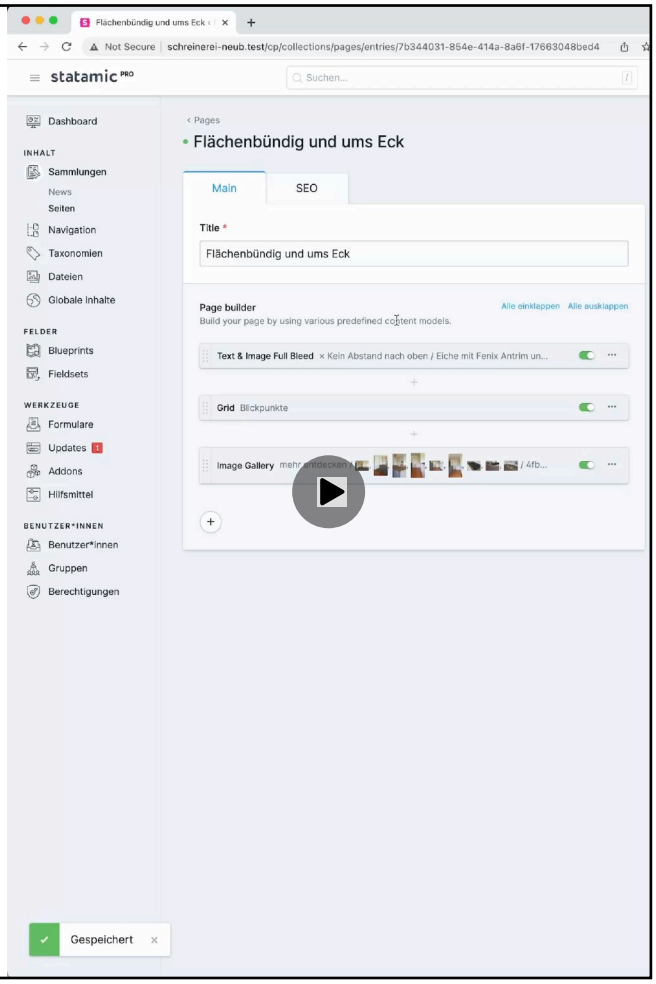
Content Editing

Live Preview

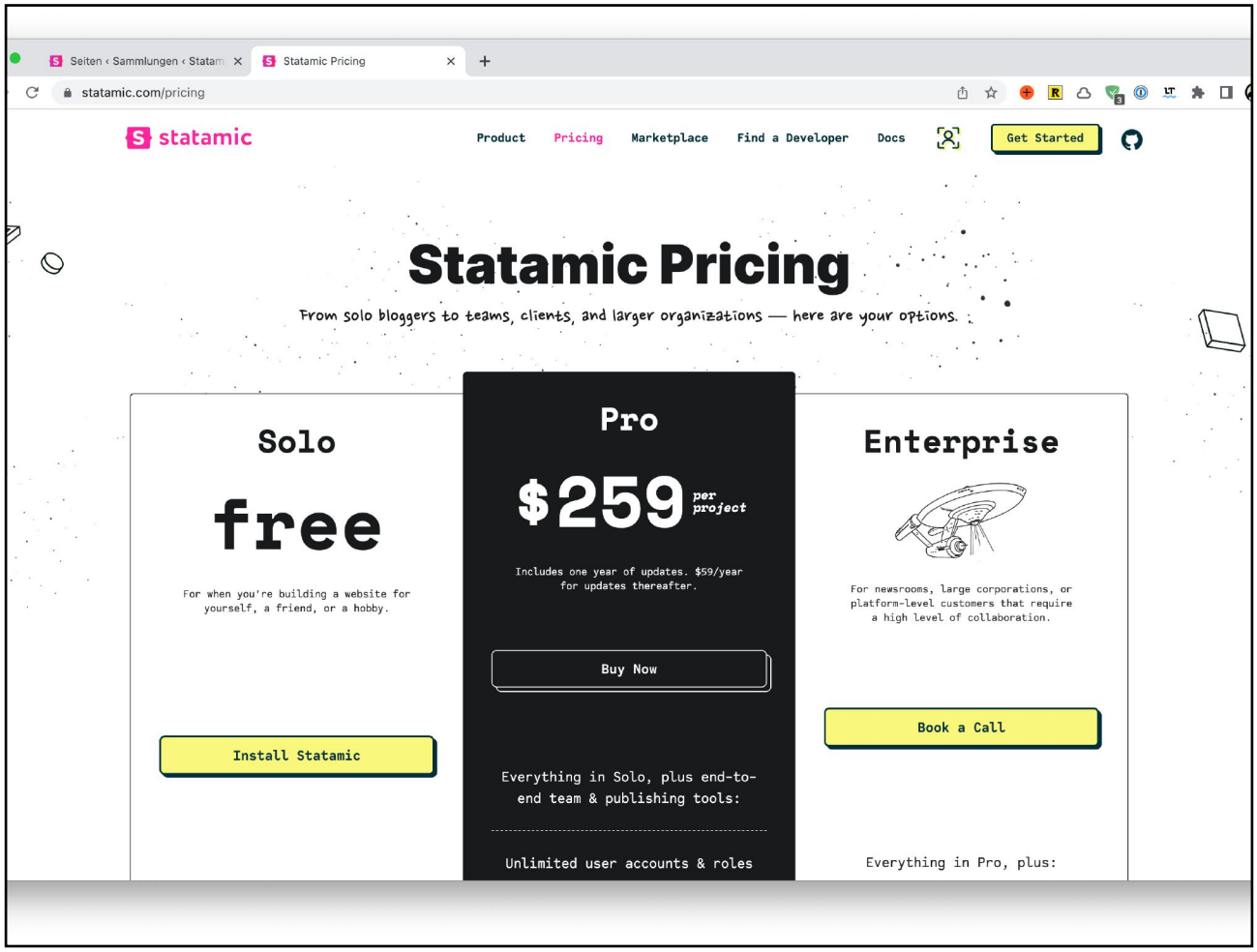
Drag & Drop

Freedom & Constraints

Clean Rich Text



- Great editor UX
- Friendly UI
- Live preview

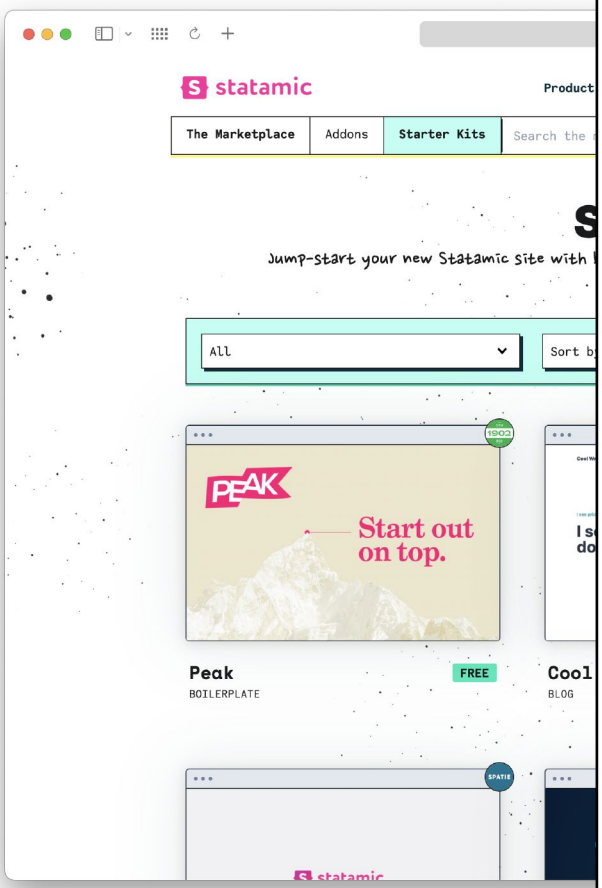


Pricing

- Free or
- $259 per site once, $59/year upgrades Pro most notable differences:
- multiple users, roles, permissions (vs admin only)
- Git integration in the CP

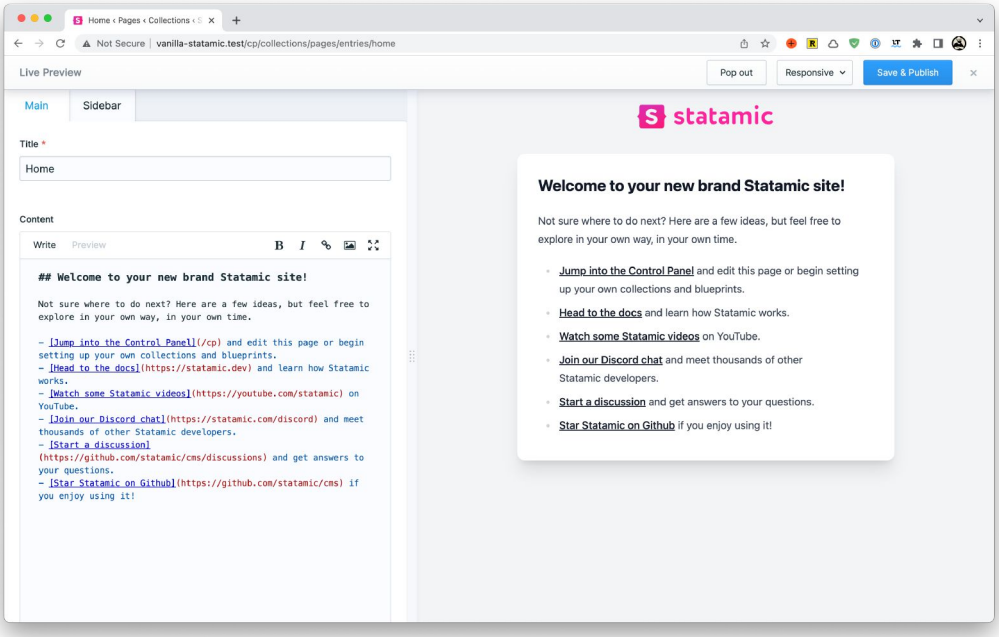
Starter Kits

> Starter Kits are pre-built site packages that jump-start new Statamic sites with features, functionality, and even design.



Built by the core team or designers & developers in the community, Starter Kits can cover a wide range of uses, from fully-built, ready-to-go sites, to developer-focused boilerplates for common frontend frameworks. Starter Kits can be shared and even sold on the Statamic Marketplace.
https://statamic.dev/starter-kits

Vanilla Statamic



- Nothing wrong with that
- Bare bones
- A lot of repeating steps that almost every site you build requires

Control Panel without Peak

Peak

Page Builder

Content Blocks

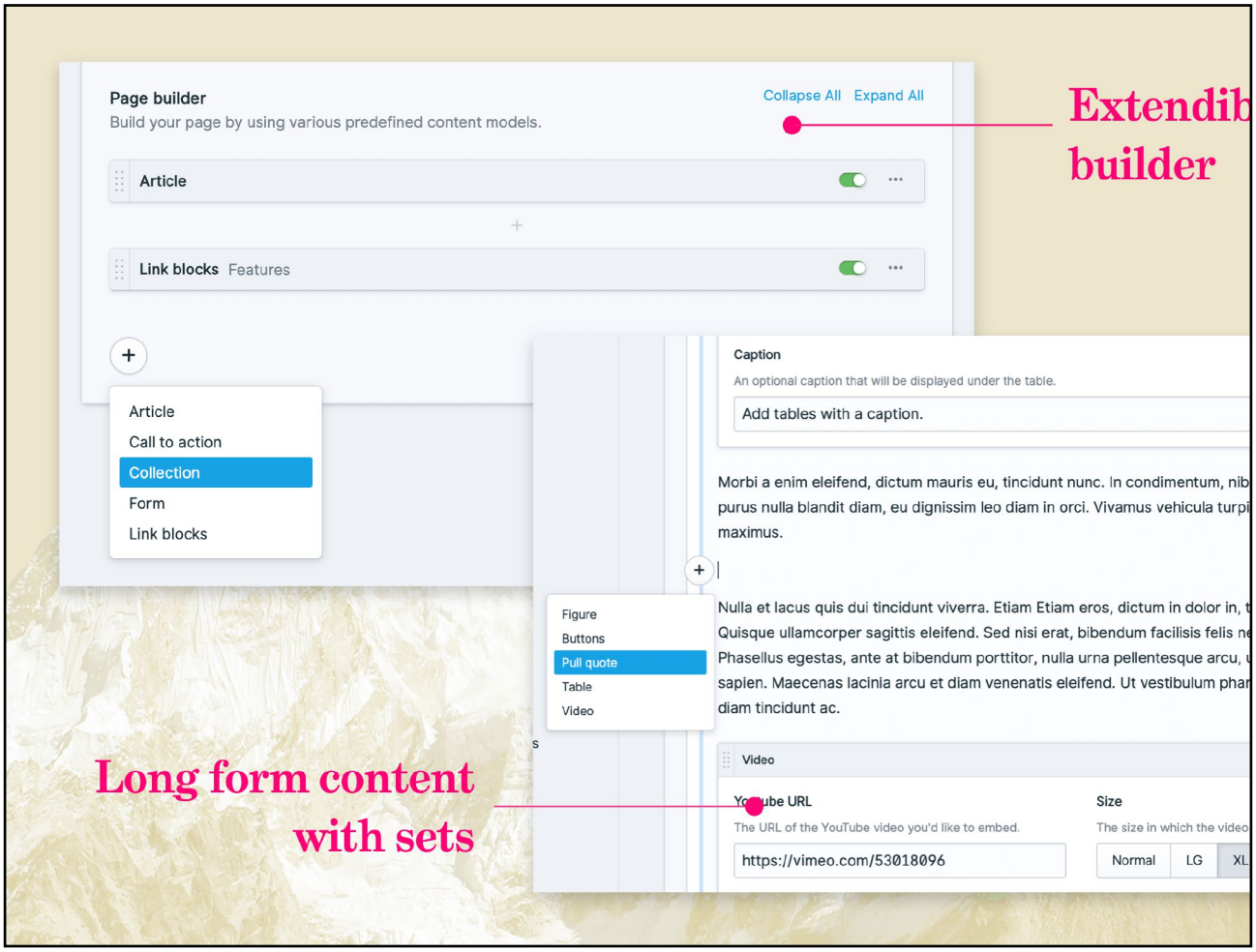
CLI Commands

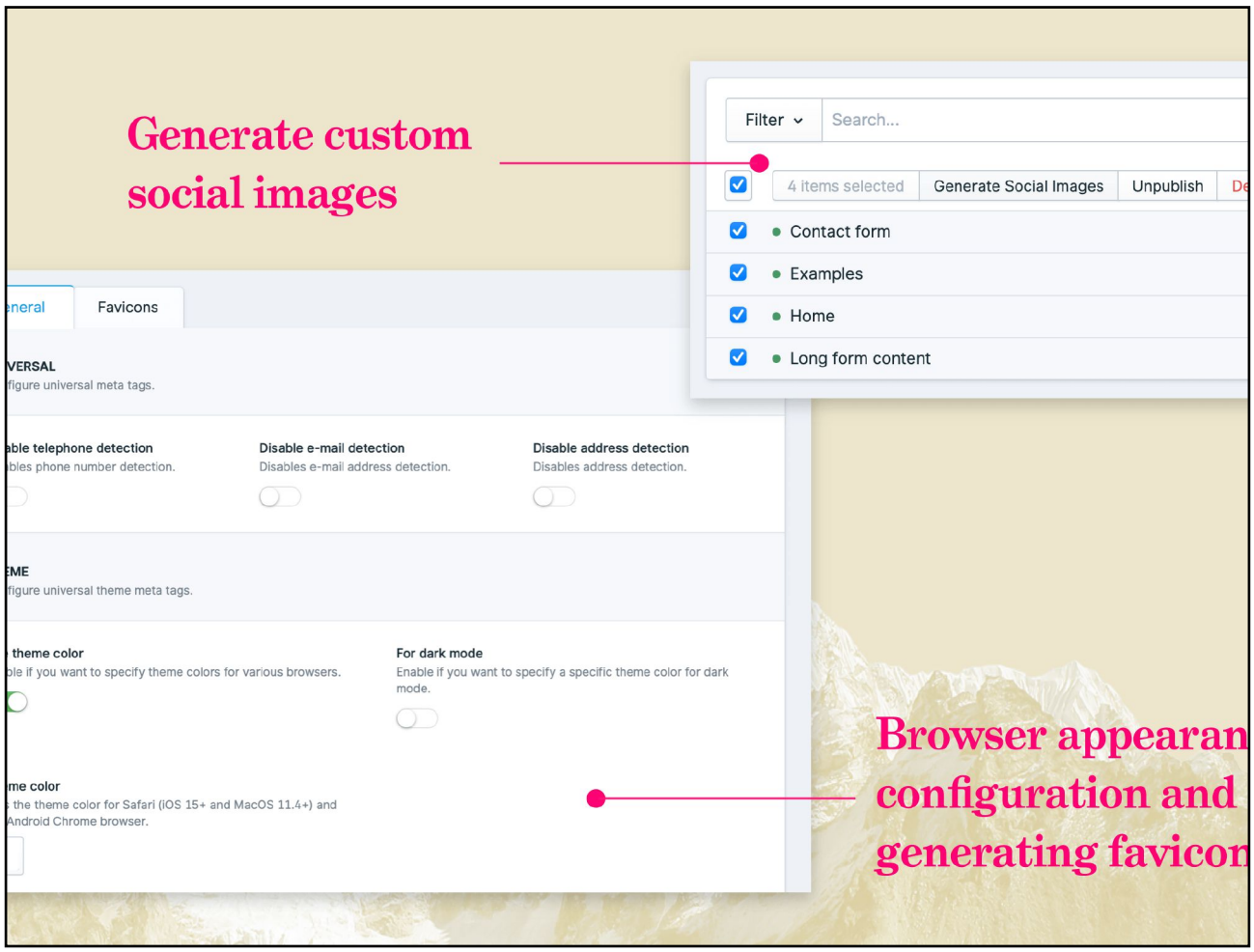
SEO Features

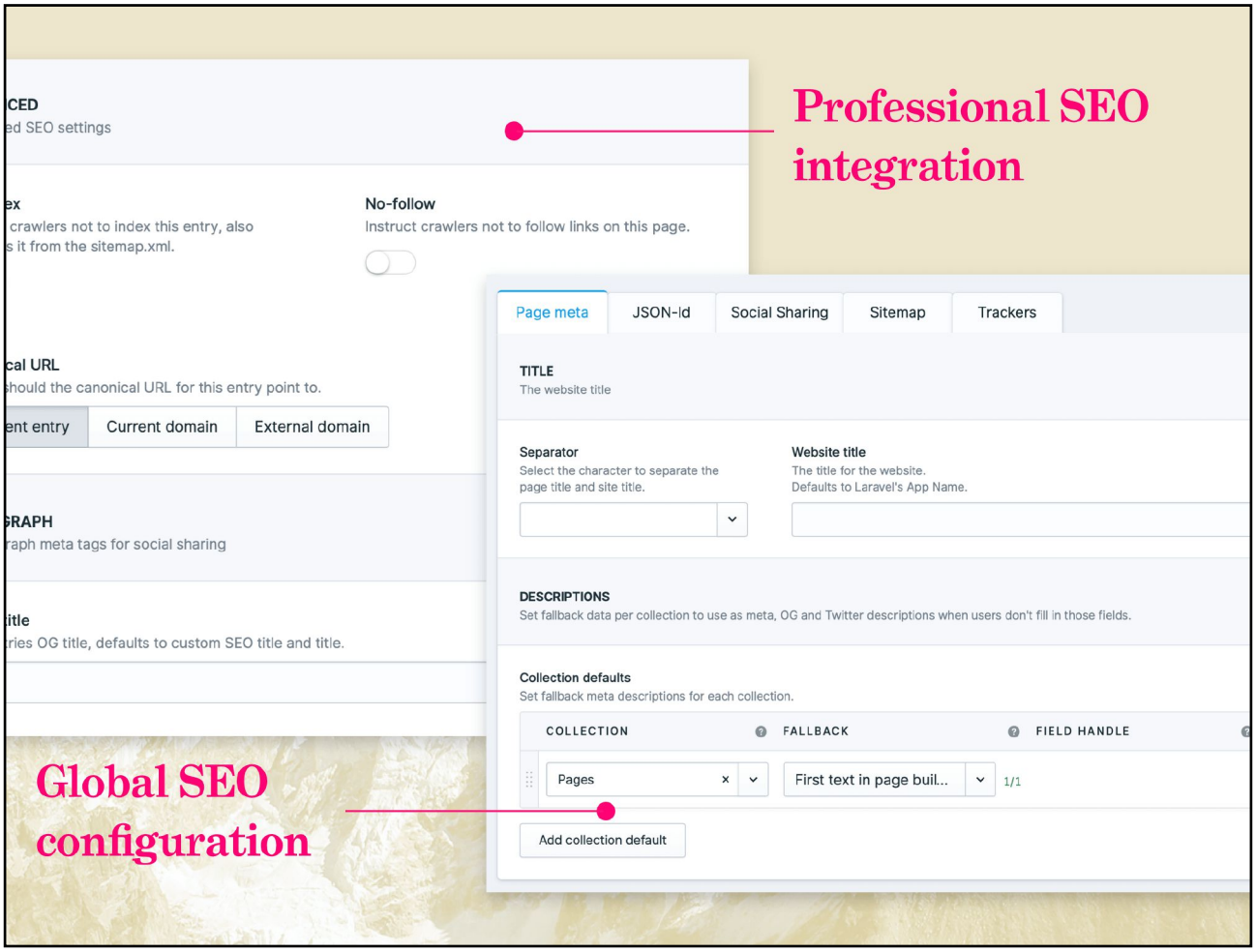
Cookie Banner

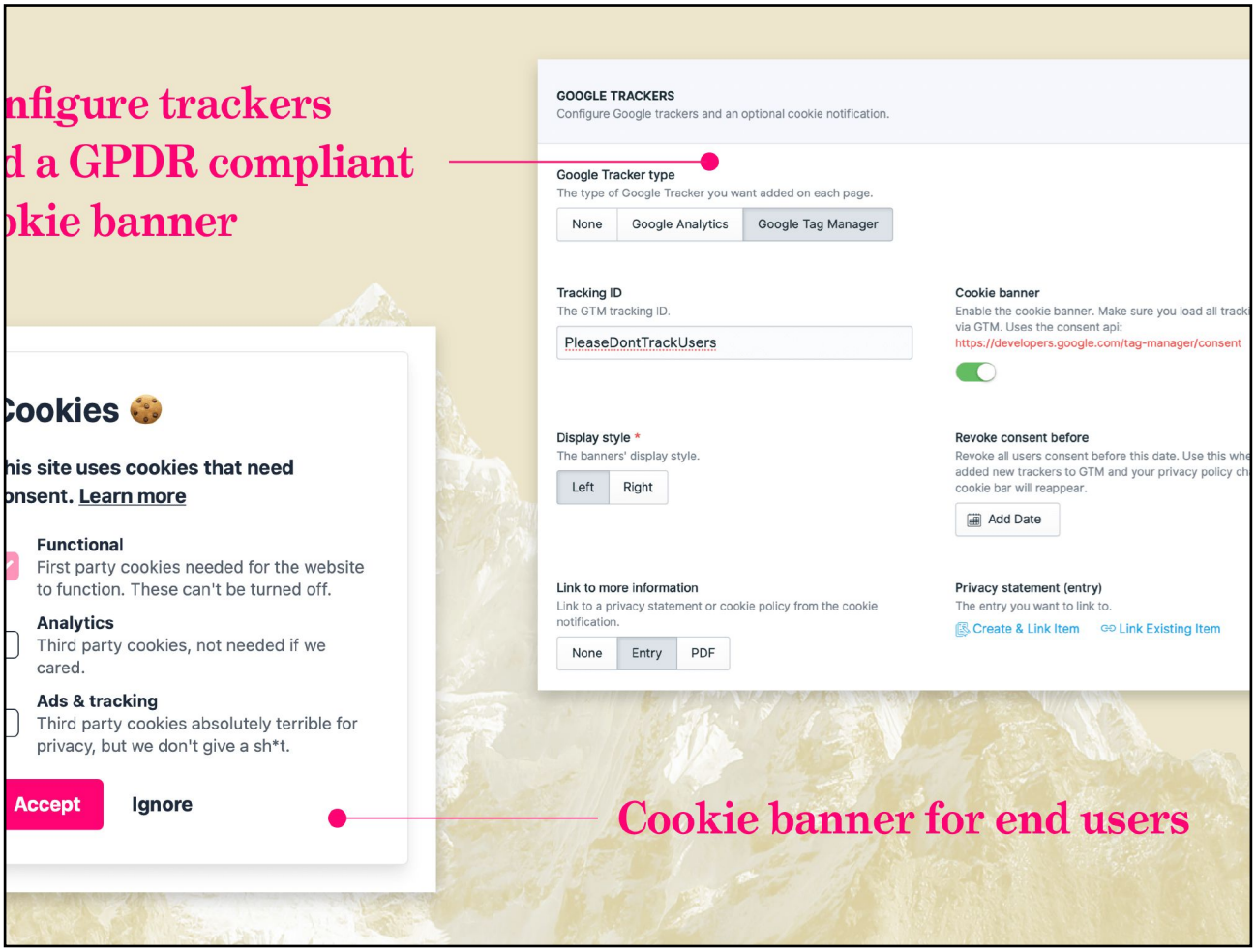
+++

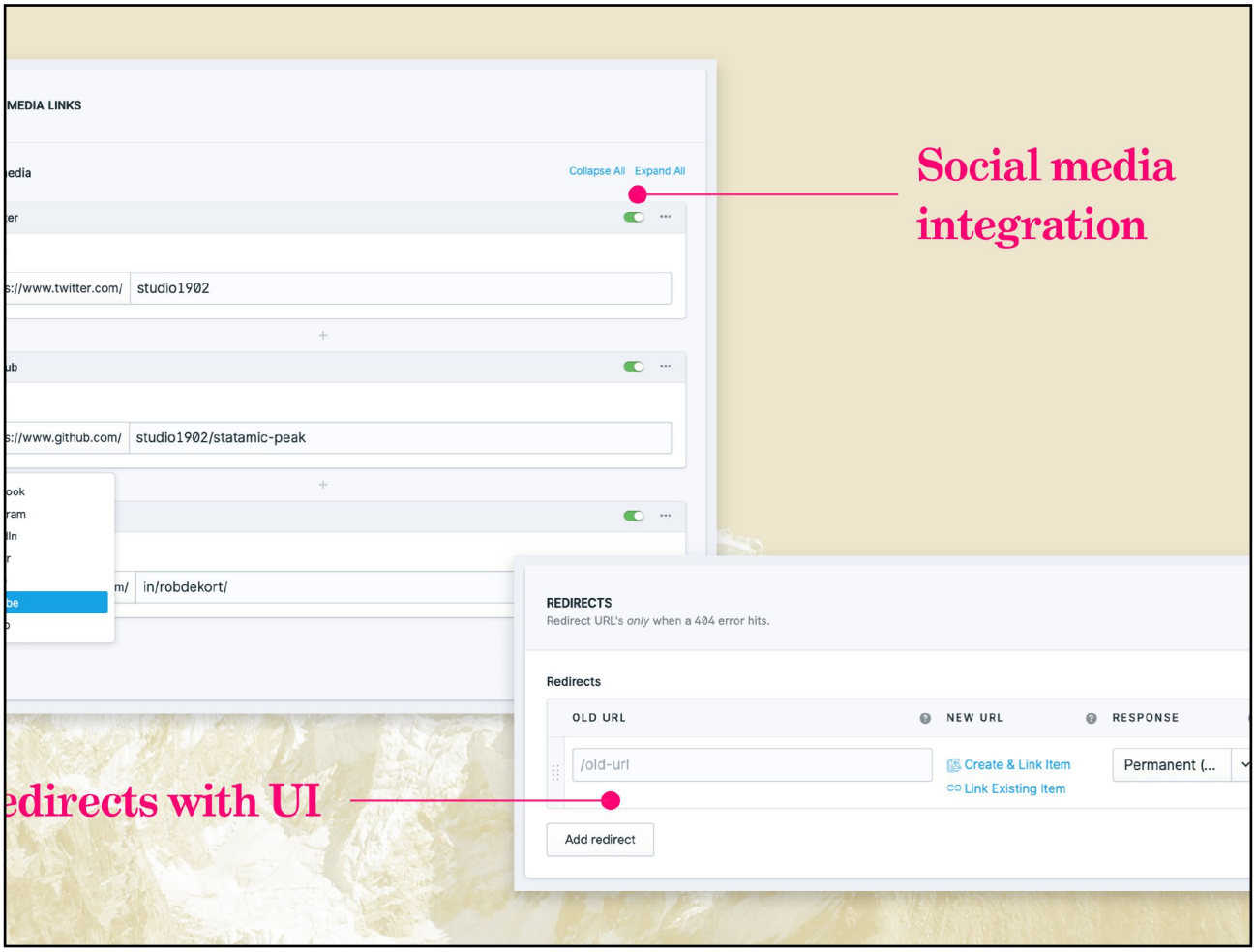
- Full Tailwind CSS and AlpineJS integration.
- Reusable typography partials to enforce your design system.
- Fluid typography.
- Responsive images with WebP and JPG fallback and
- preconfigured sizes.
- Responsive background images.
- Re-usueable button partials with extensive link
- options.
- ally standards included where appropriate.
- Reduced motion respected througout templates.
- Dark mode support with a persistent and auto- setting toggle based on OS config.
- A themeable pagination partial. Ready to use search templates (form and results) with rich snippets.
- Deployment script examples for Ploi & Forge.
- Project README example.
- Localisable template strings ready for multisite.
- Development toolbar for viewing breakpoints and editing entries.
- 100/100 lighthouse score out of the box.
- A few handy custom tags.
- Template IDE hints for VS Code Antlers https://peak.1902.studio/


Page builder
Build your page by using various predefined content models.
Collapse All
Expand All
Article
Link blocks Features
Article
Call to action
Collection
Form
Link blocks
Caption
An optional caption that will be displayed under the table.
Add tables with a caption.
Morbi a enim eleifend, dictum mauris eu, tincidunt nunc. In condimentum, nib
purus nulla blandit diam, eu dignissim leo diam in orci. Vivamus vehicula turpi
maximus.
Figure
Buttons
Pull quote
Table
Video
Nulla et lacus quis dui tincidunt viverra. Etiam Etiam eros, dictum in dolor in, t
Quisque ullamcorper sagittis eleifend. Sed nisi erat, bibendum facilisis felis ne
Phasellus egestas, ante at bibendum porttitor, nulla urna pellentesque arcu,
sapien. Maecenas lacinia arcu et diam venenatis eleifend. Ut vestibulum phar
diam tincidunt ac.
Video
Size
The URL of the YouTube video you'd like to embed.
https://vimeo.com/53018096
Normal
LG
Extendib
builder
Long form content
with sets


Generate custom social images
Filter
Search...
4 items selected
Generate Social Images
Unpublish
Contact form
Examples
Home
Long form content
Favicons
Disable e-mail detection
Disables e-mail address detection.
Disable address detection
Disables address detection.
For dark mode
Enable if you want to specify a specific theme color for dark mode.
Browser appearan
configuration and
generating favicon


Professional SEO integration
No-follow
Instruct crawlers not to follow links on this page.
Page meta
JSON-ld
Social Sharing
Sitemap
Trackers
TITLE
The website title
Separator
Select the character to separate the page title and site title.
Website title
The title for the website.
Defaults to Laravel's App Name.
DESCRIPTIONS
Set fallback data per collection to use as meta, OG and Twitter descriptions when users don't fill in those fields.
Collection defaults
Set fallback meta descriptions for each collection.
COLLECTION
FALLBACK
FIELD HANDLE
Pages
First text in page buil...
1/1
Add collection default
Global SEO configuration


nfigure trackers
d a GPDR compliant
okie banner
GOOGLE TRACKERS
Configure Google trackers and an optional cookie notification.
Google Tracker type
The type of Google Tracker you want added on each page.
None
Google Analytics
Google Tag Manager
Tracking ID
The GTM tracking ID.
PleaseDontTrackUsers
Cookie banner
Enable the cookie banner. Make sure you load all track
via GTM. Uses the consent api:
https://developers.google.com/tag-manager/consent
Display style *
The banners' display style.
Left
Right
Revoke consent before
Revoke all users consent before this date. Use this wh
added new trackers to GTM and your privacy policy ch
cookie bar will reappear.
Add Date
Link to more information
Link to a privacy statement or cookie policy from the cookie notification.
None
Entry
PDF
Privacy statement (entry)
The entry you want to link to.
Create & Link Item
Link Existing Item
Cookies
his site uses cookies that need
onsent. Learn more
Functional
First party cookies needed for the website to function. These can't be turned off.
Analytics
Third party cookies, not needed if we cared.
Ads & tracking
Third party cookies absolutely terrible for privacy, but we don't give a sh*t.
Accept
Ignore
Cookie banner for end users



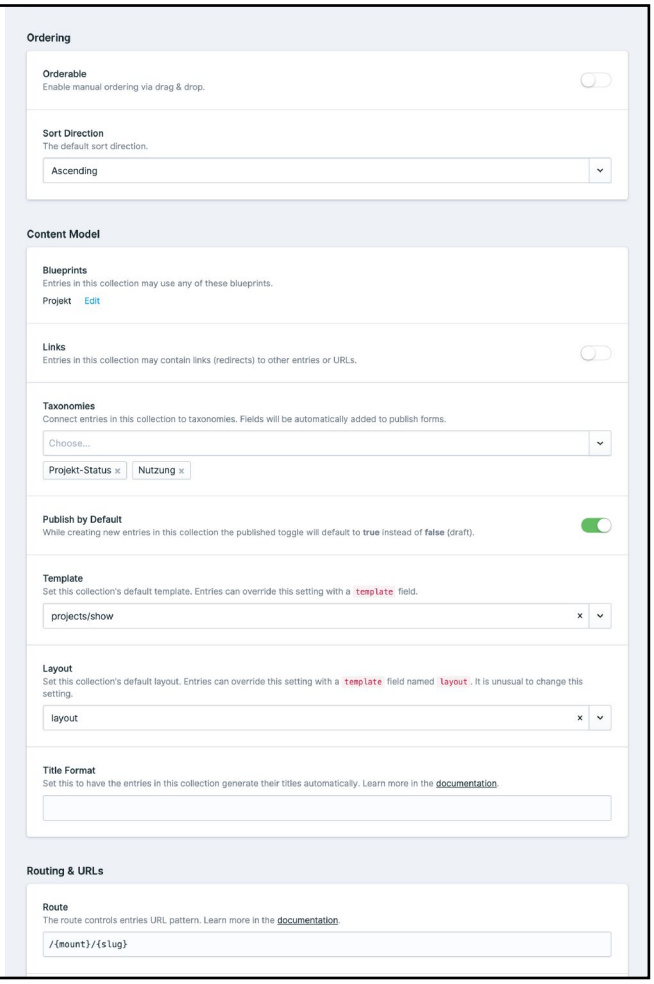
Social media integration

edirects with UI

Managing Content

Managing Content

Collections



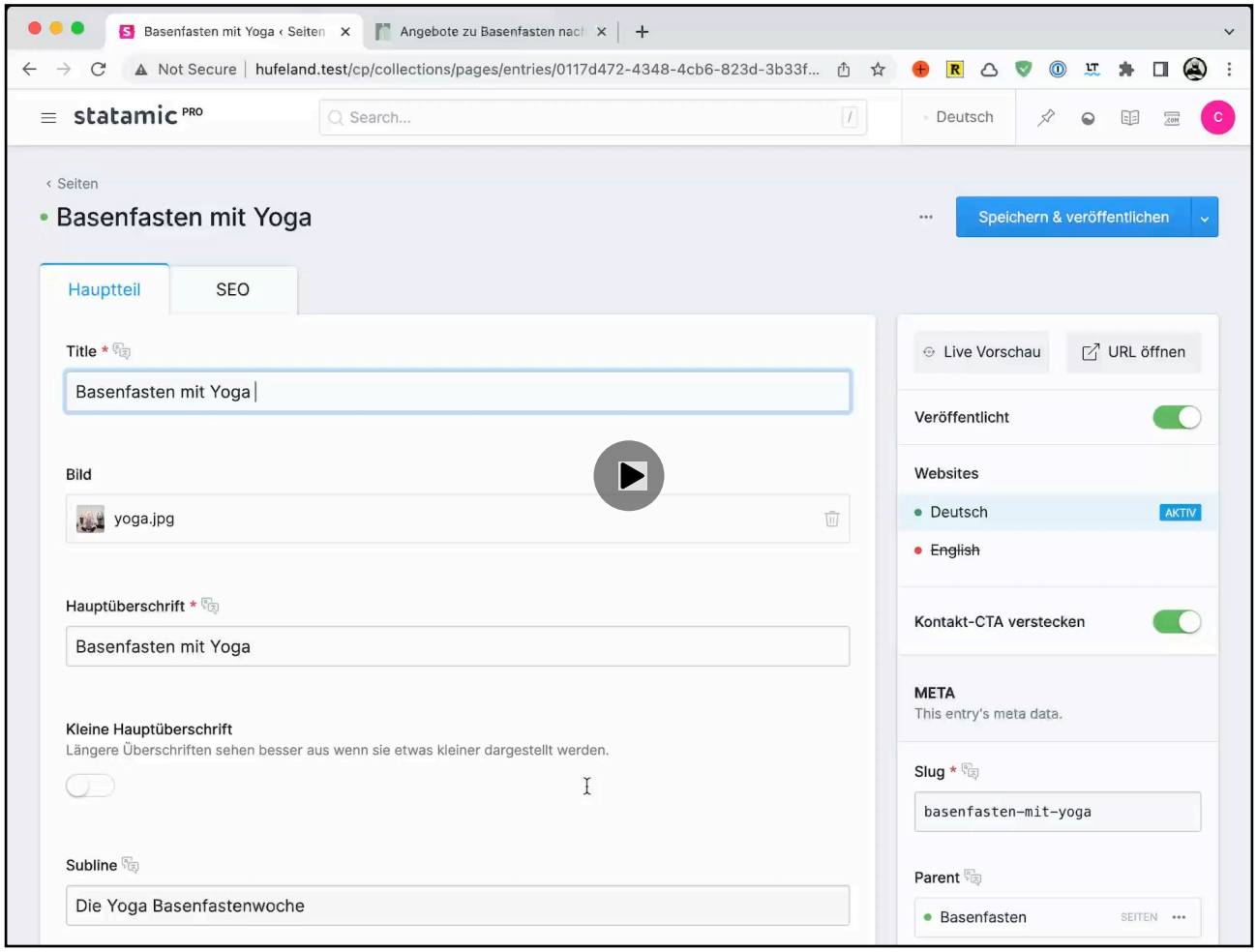
- Collections are referred to as Content Types in other CMSs
- Every piece of content is an *entry* that belongs to a collection
- e.g. Page, Article, Product
- Each collection must have at least 1 Blueprint, but can have multiple
- A Collection defines Routes, Permissions, Publishing Behavior, Ordering, Default templates to use
- Don't necessarily need to have routes
- Can be queried by the `{{ collection }}` tag

Managing Content

Translations

```
php please multisite
```

- Makes an existing site a multisite with a single command

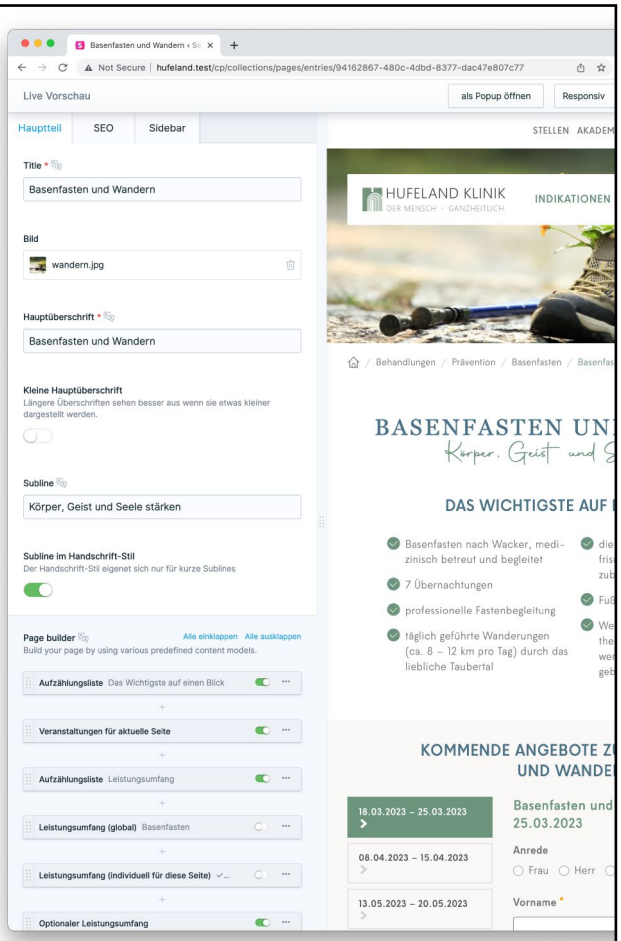


Content translation UI

- Prepopulated with source language
- every field can either be localizable or not

Managing Content

Live Preview

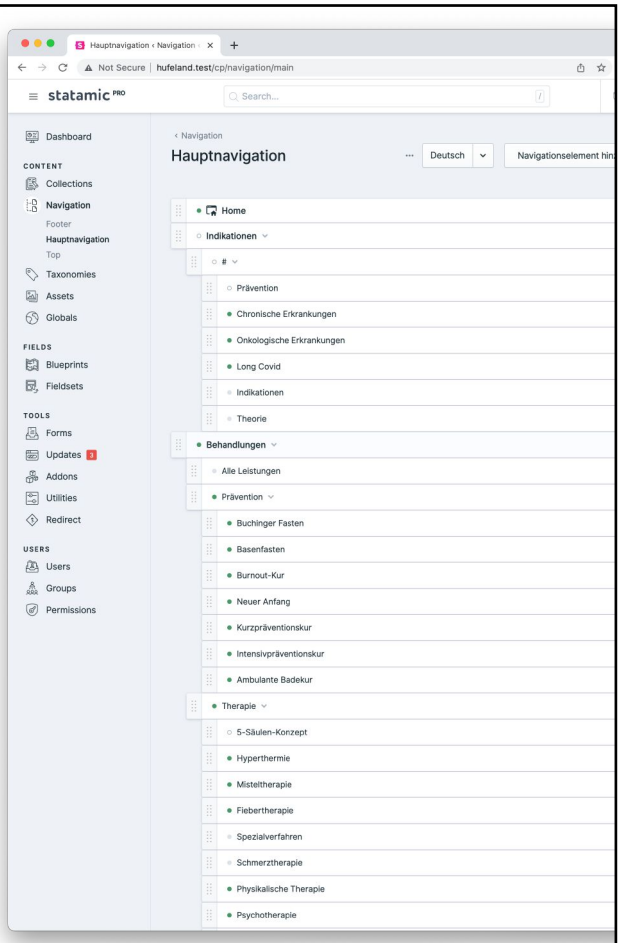


- immediate impression how content will look
- imho better than pure front end editing, no conflicts with front end css/js

Managing Content

Navigation

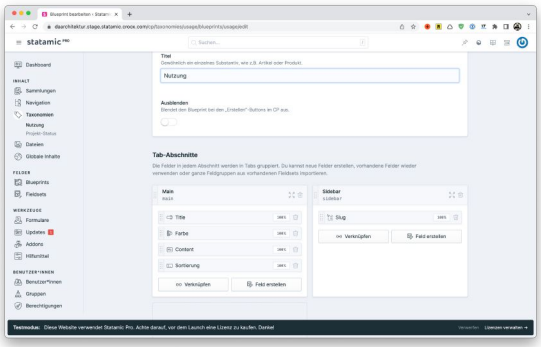
Multiple trees, independent of page structure

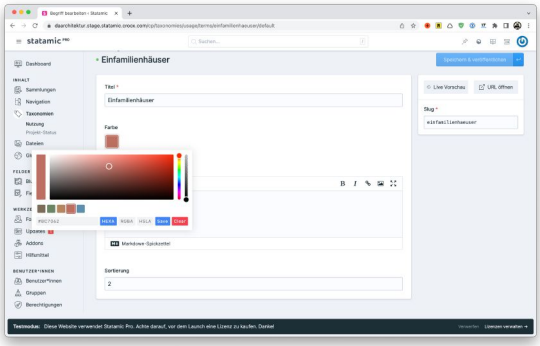


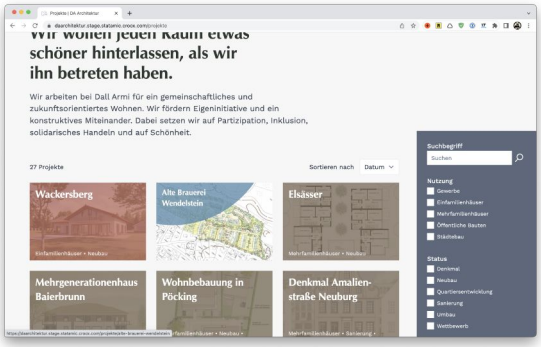
- multiple navigation trees
- drag n drop
- independent from page structure

Managing Content

Taxonomies







- Have blueprints, can be fielded
- Useful to filter collection queries

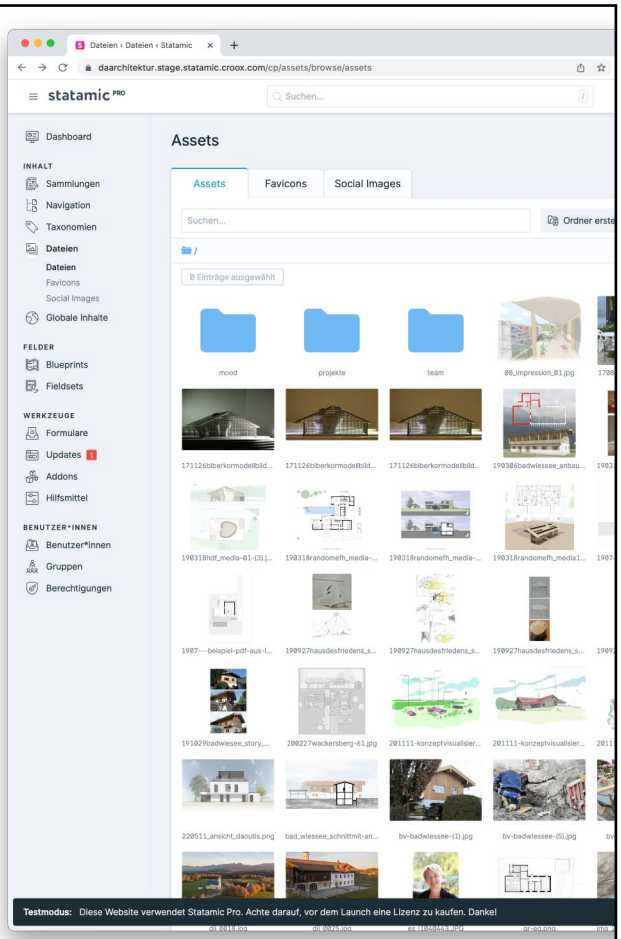
Managing Content

Assets

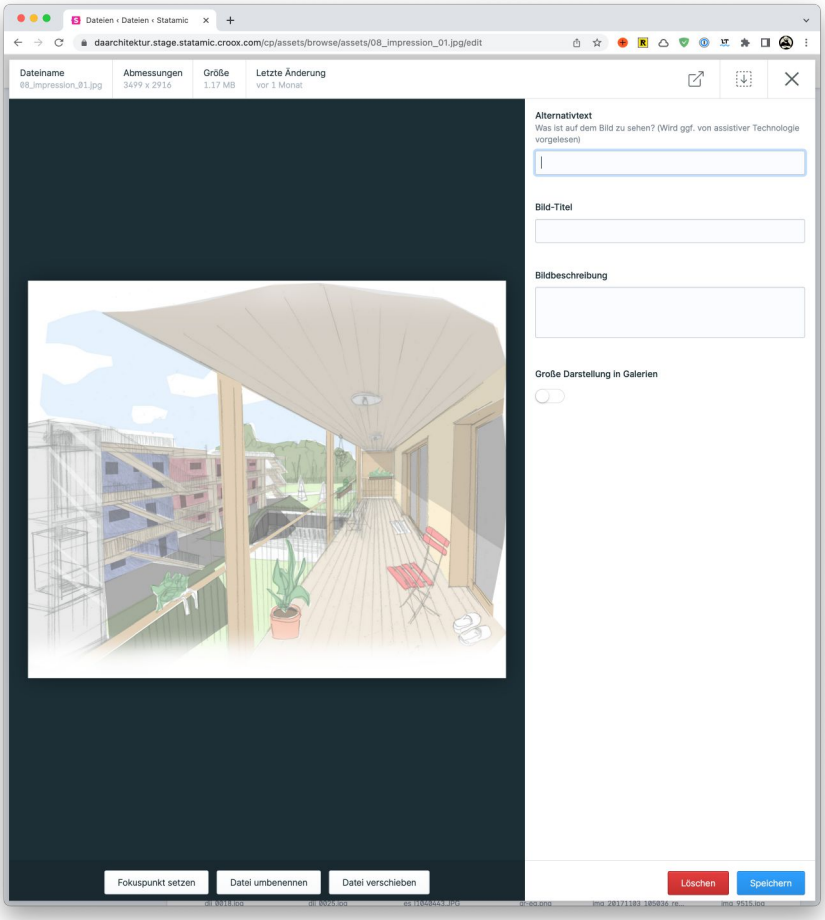
Central Library

Multiple Containers

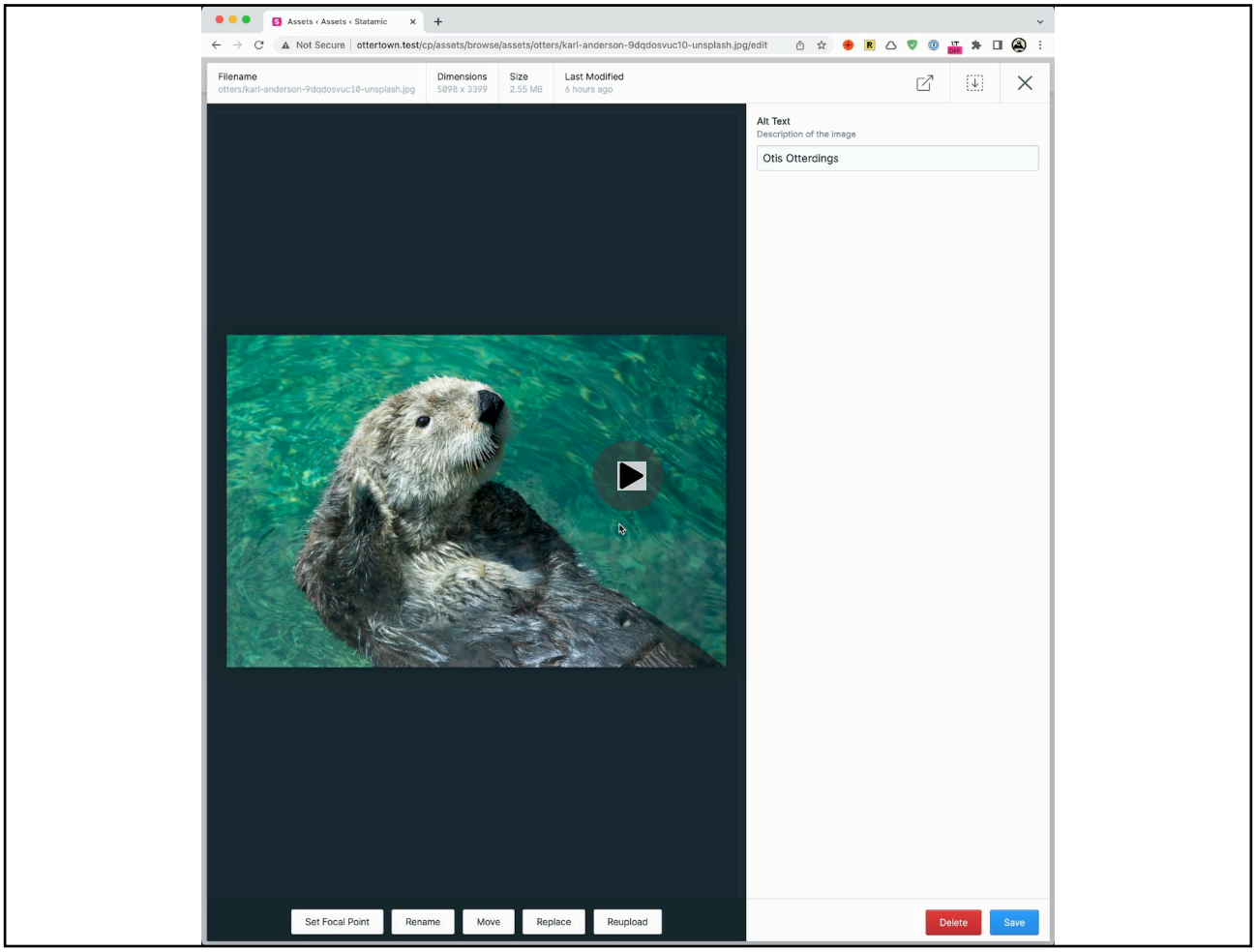
Local or S3



- Multiple Asset Containers
- Central Library (Assets uploaded anywhere are stored in the library along with its metadata)
- Can be local or remote (S3 buckets)
- Every asset field must define the asset container its uploads end up in



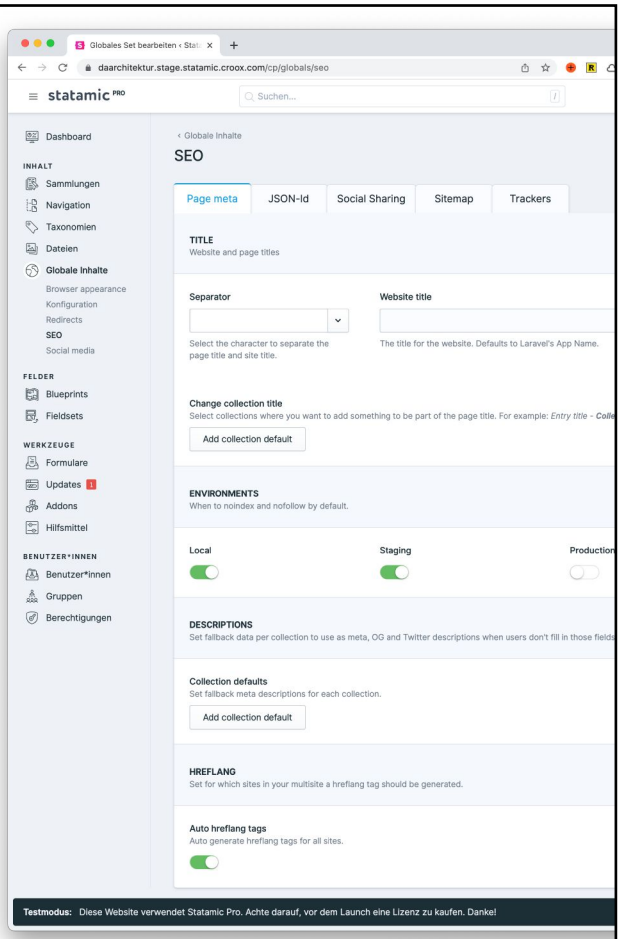
Asset Containers have blueprints ("fieldable")



- All images can store a focal point as coordinates
- Can be zoomed
- This point can be used to crop around this point in templates
- Preview gives an impression how different aspect ratios would look like when cropped

Managing Content

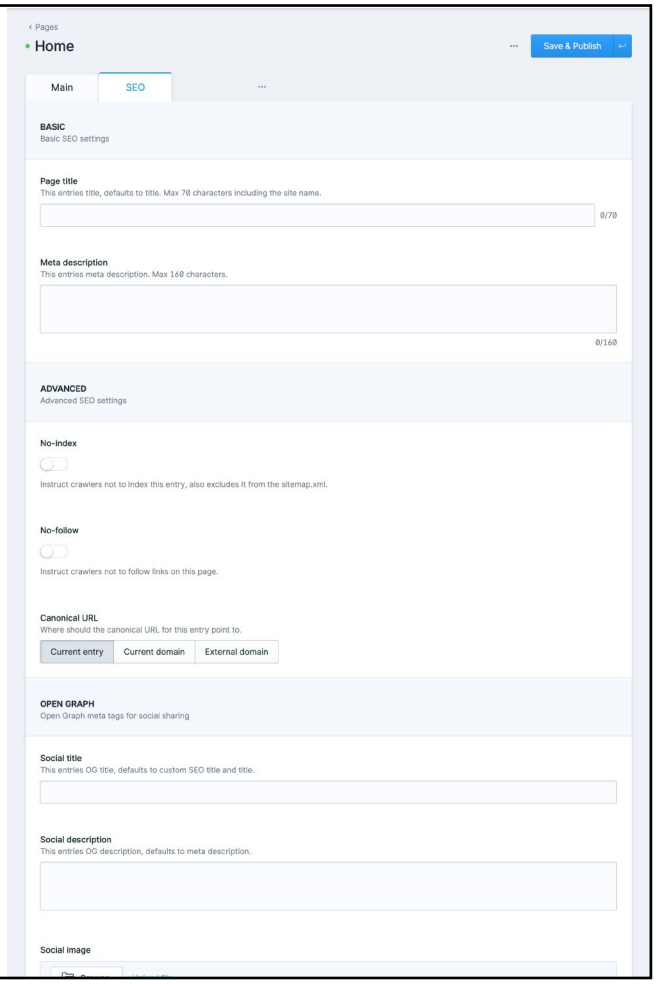
Globals



- Global pieces of content
- can be accessed in any template
- Any field type can be used, any field set imported For Example
- Contact data
- Social media handles
- Fallbacks & defaults

Managing Content

Per-Entry SEO

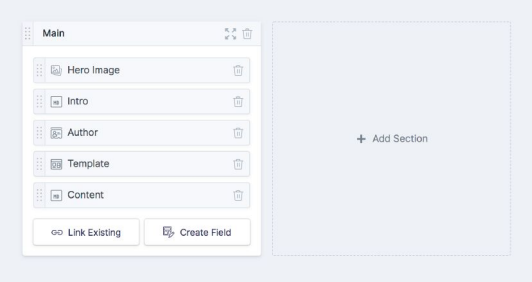


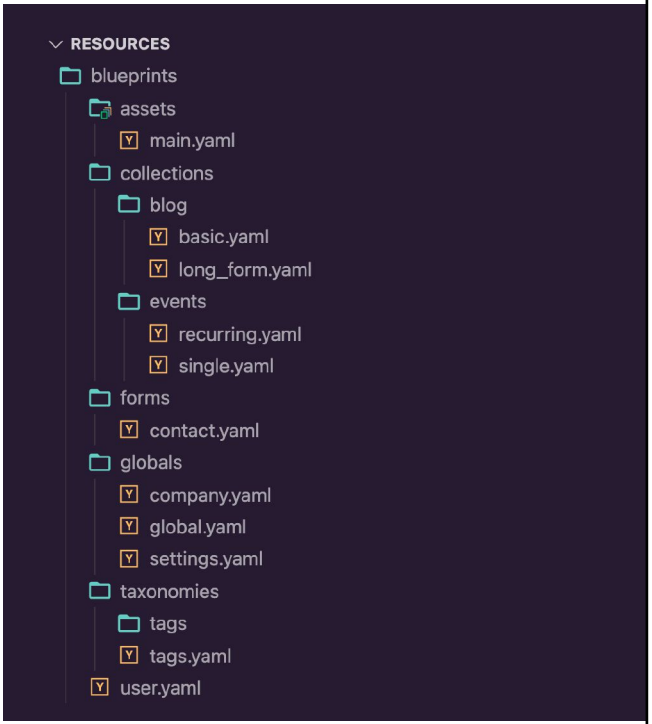
- Fieldset provided by Peak
- Available in any Collection as a tab
- If empty, defaults from Globals are used

Structuring Content

Structuring Content

Blueprints

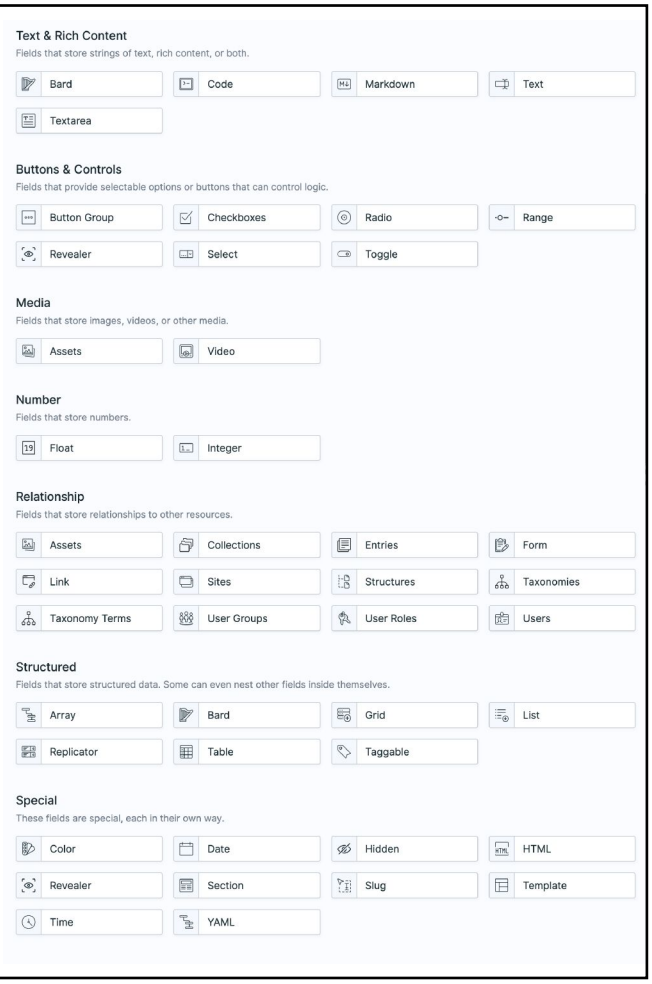




"Blueprints are a key component of the content modeling process. Inside a blueprint you define your fields, which field types they'll implement, group them into sections if you desire, and define conditions controlling their visibility. The control panel uses blueprints to render publish forms so you can manage content."

Structuring Content

Fields



- Many native types
- Custom field types availble/creatable as addons

Content

Even Worse just dropped this past weekend and it's even better than I expected! It's so good, I can't stop playing it. I'm gonna wear the tape out on this thing! Polka Party was a major letdown. Long live Even Worse!

- Author Bio
- Code Block
- Image
- Newsletter Callout
- Video

Alt Text: Wierd Al's Even Worse | Replace | Remove

Replicator

Collapse All Expand All

Content Block

Bard

This field is often used as a "page builder". You can combine any fields you wish into "sets", and insert as many sets in as many orders as you desire.

Newsletter Signup

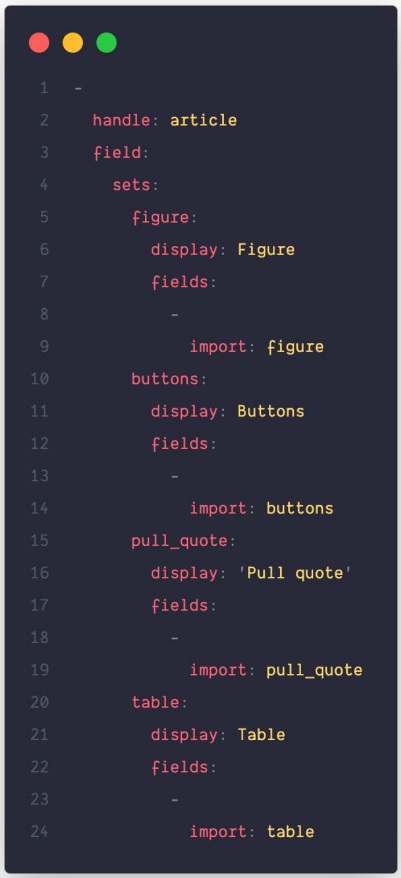
Slideshow

Fieldsets

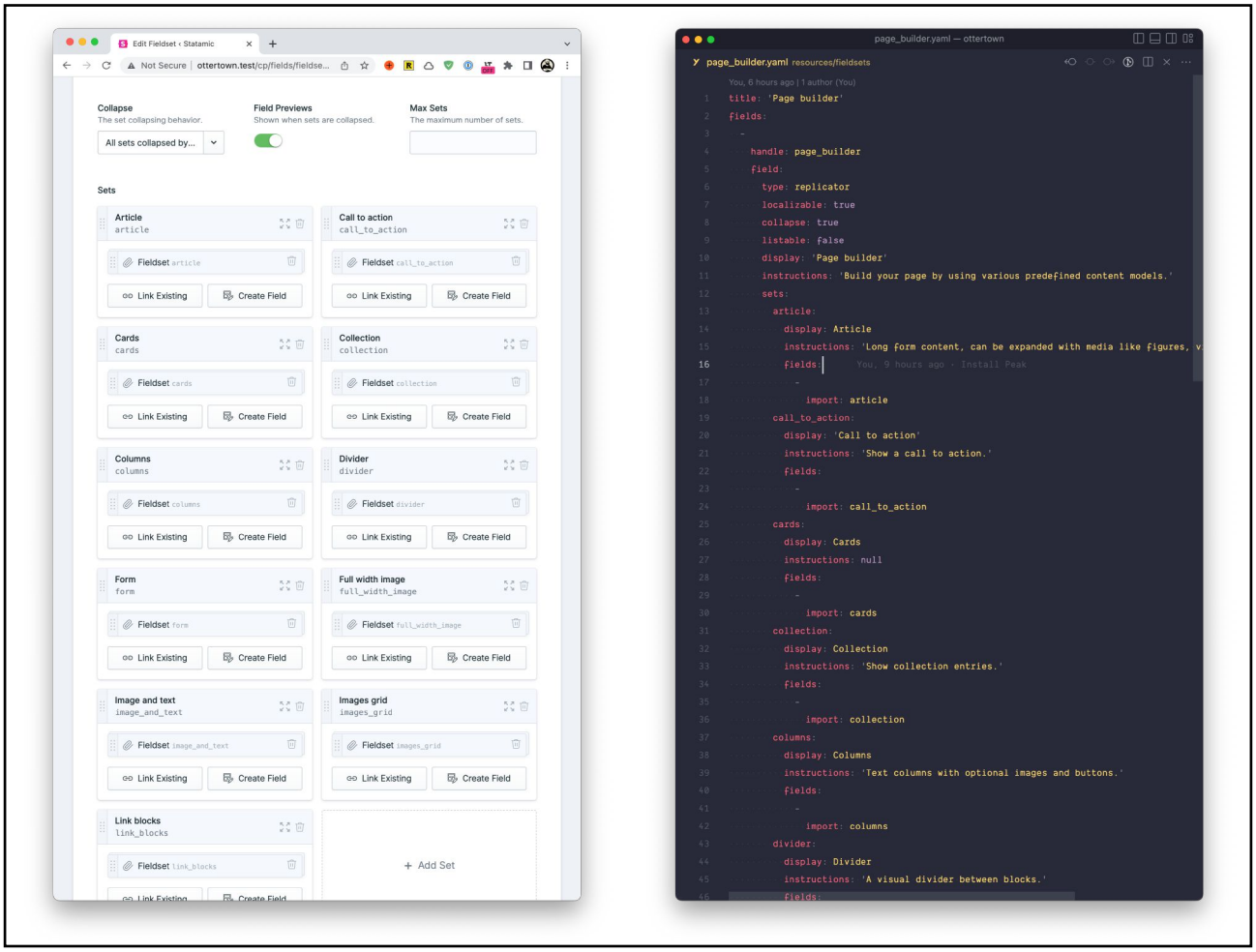
Arrays of fields

- At its most basic, a fieldset is array of fields.
- can be imported into blueprints
- Can be imported in other fields: Grid, Replicator, or Bard

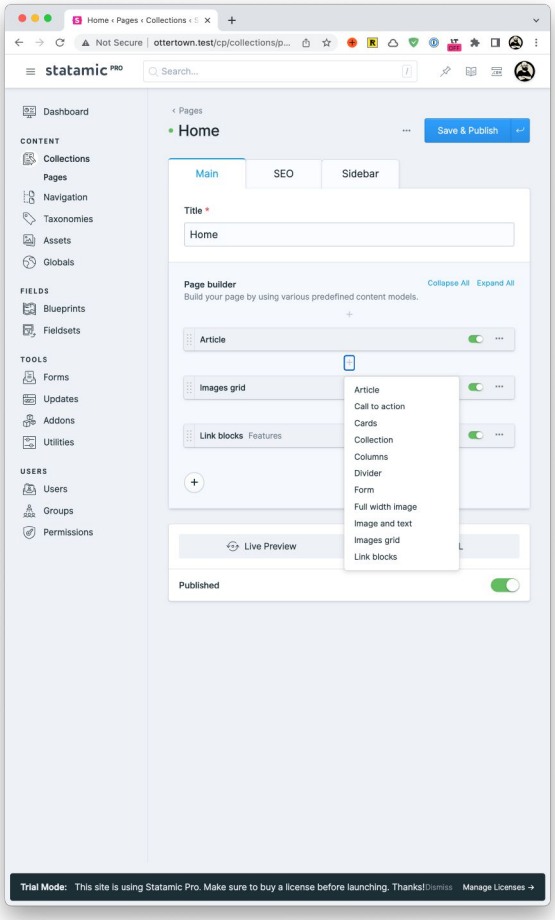
```yaml
title: 'Pull quote'
fields:
  -
    handle: quote
    field:
      type: textarea
      localizable: true
      listable: hidden
      display: Quote
      instructions: 'The quote you want to highlight.'
  -
    handle: author
    field:
      input_type: text
      type: text
      localizable: true
      listable: hidden
      display: Author
      instructions: 'The optional author of the quote that will be displayed with it.'

```



```yaml
-
  handle: article
  field:
    sets:
      figure:
        display: Figure
        fields:
          -
            import: figure
      buttons:
        display: Buttons
        fields:
          -
            import: buttons
      pull_quote:
        display: 'Pull quote'
        fields:
          -
            import: pull_quote
      table:
        display: Table
        fields:
          -
            import: table
```



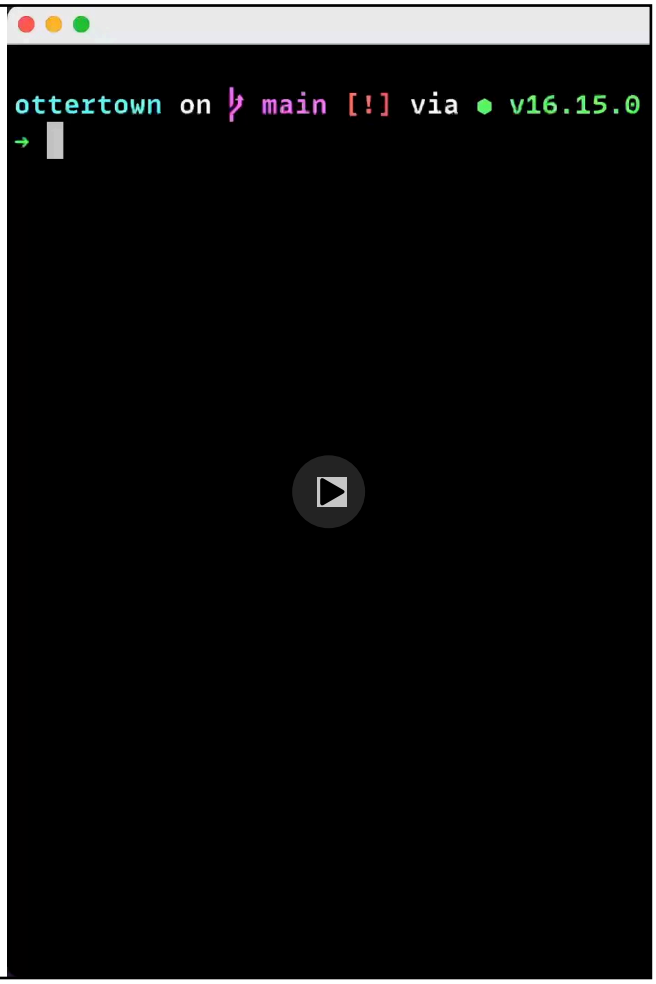
Page Builder UI and YAML showing the same fieldset structure



The Page Builder is built from Fieldsets imported into a Replicator Field

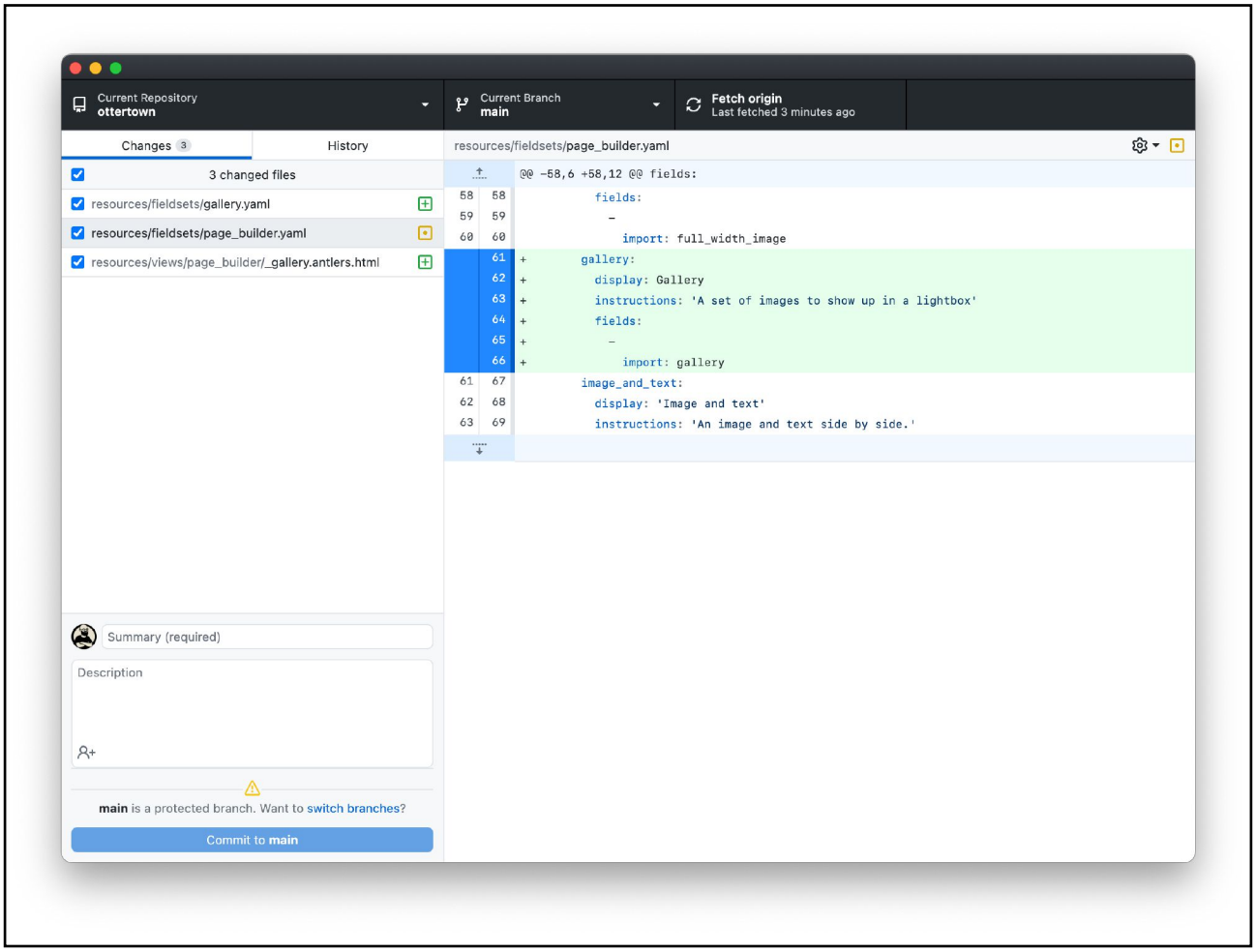
Create Blocks with the Peak CLI

```
php please
peak:add-block
```



Peak does some repetitive tasks for us:

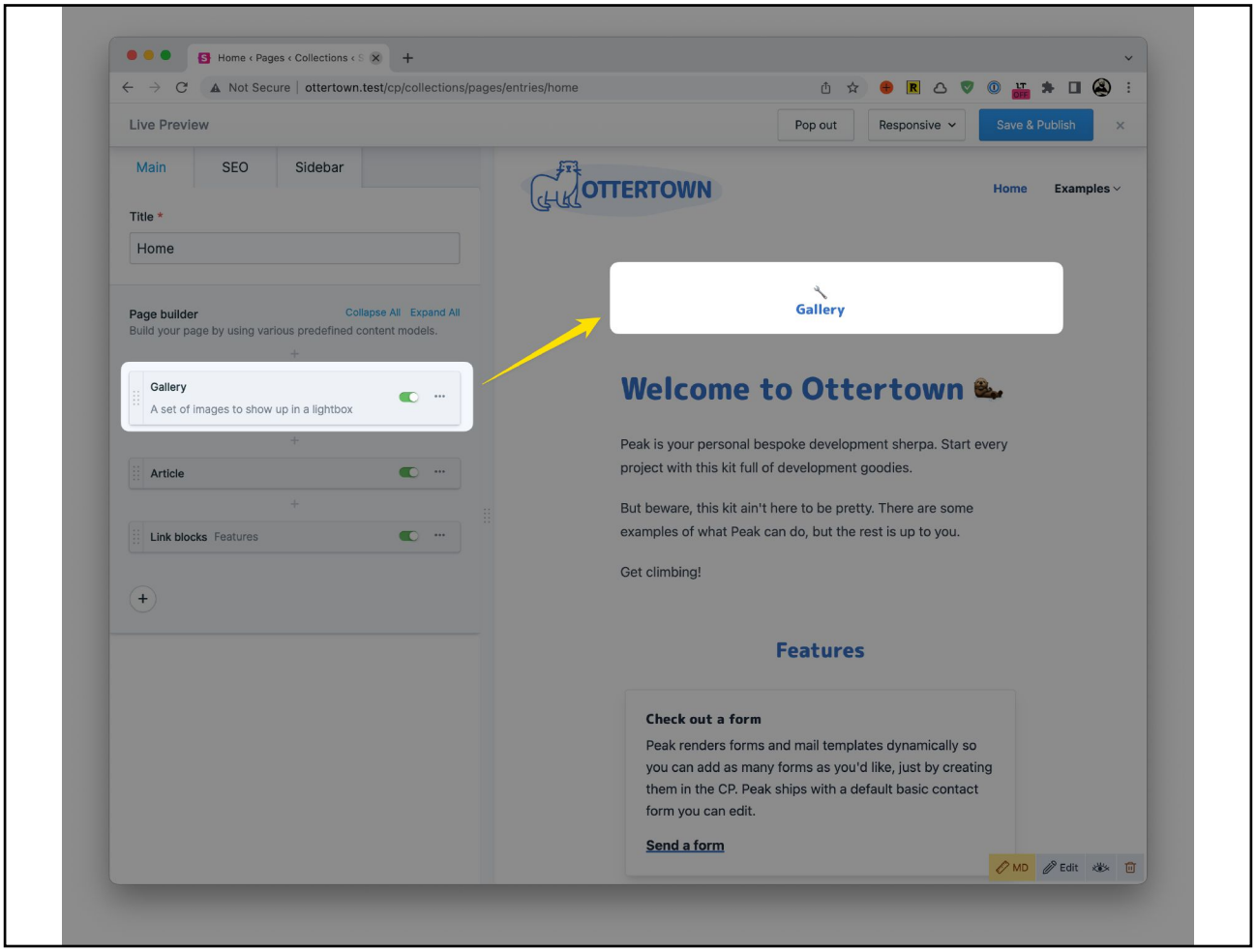
1. Creates a new Fieldset (we need to add our fields to it)
2. Imports the Fieldset into the page builder
3. Creates an empty template (we need to render our fields here)



The Git diff after creating a new Page Builder block with Peak CLI

```
{{#
    @name Gallery
    @desc The Gallery page builder block.
    @set page.page_builder.gallery
#}}

<!-- /page_builder/_gallery.antlers.html -->
<section class="fluid-container grid md:grid-cols-12 gap-8">
    {{ partial:typography/h3 content="🔧 <br>Gallery" class="md:col-span-12 text-center" }}
</section>
<!-- End: /page_builder/_gallery.antlers.html -->

```

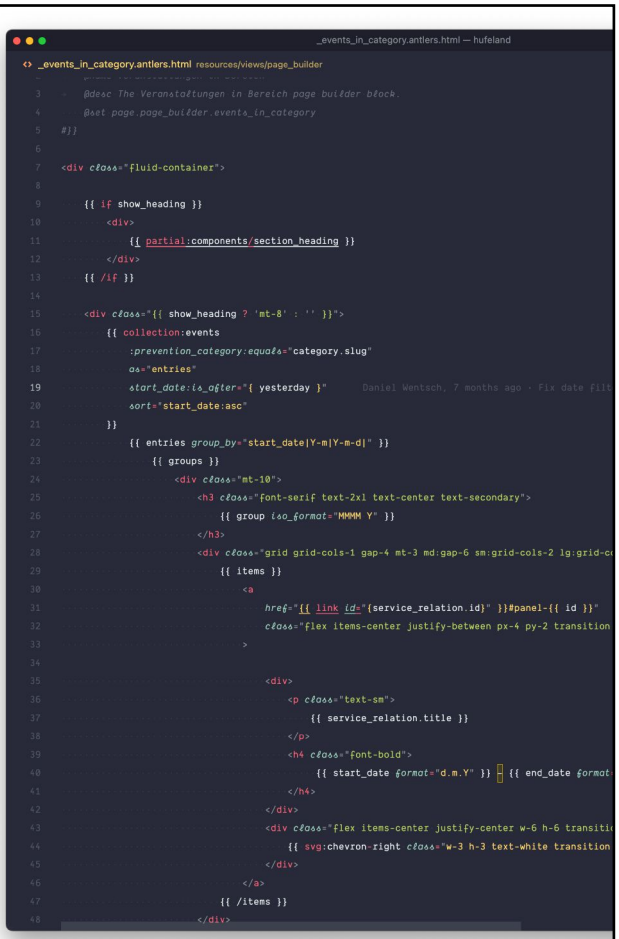
- The empty template
- Markup of new components can be changed in the stub files in `app/Console/Commands/stubs`



- The block can be used in the page builder and the placeholder template is rendered

Templating

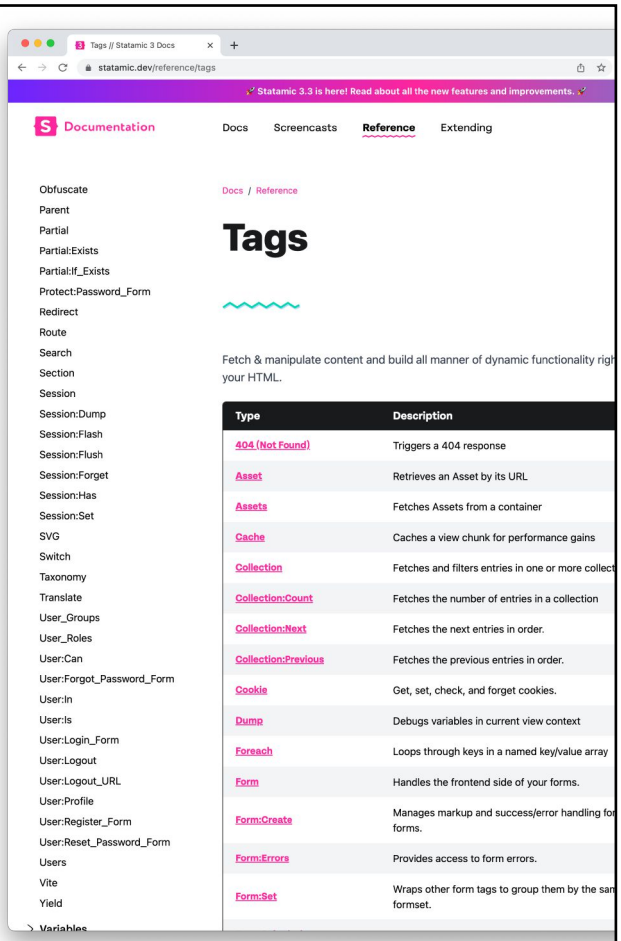
Antlers



- Statamic's own templating engine
- Blade can also be used (I've never done that or had the need for it)
- Slides for Tags, Modifiers

Templating

Tags



- Tags, as variables, are printed in curly braces
- Single tags stand on their own: `{{ tag }}`
- Tag Pairs have opening and closing parts `{{ tag }} Bla {{ /tag }}` https://statamic.dev/tags

Single tag

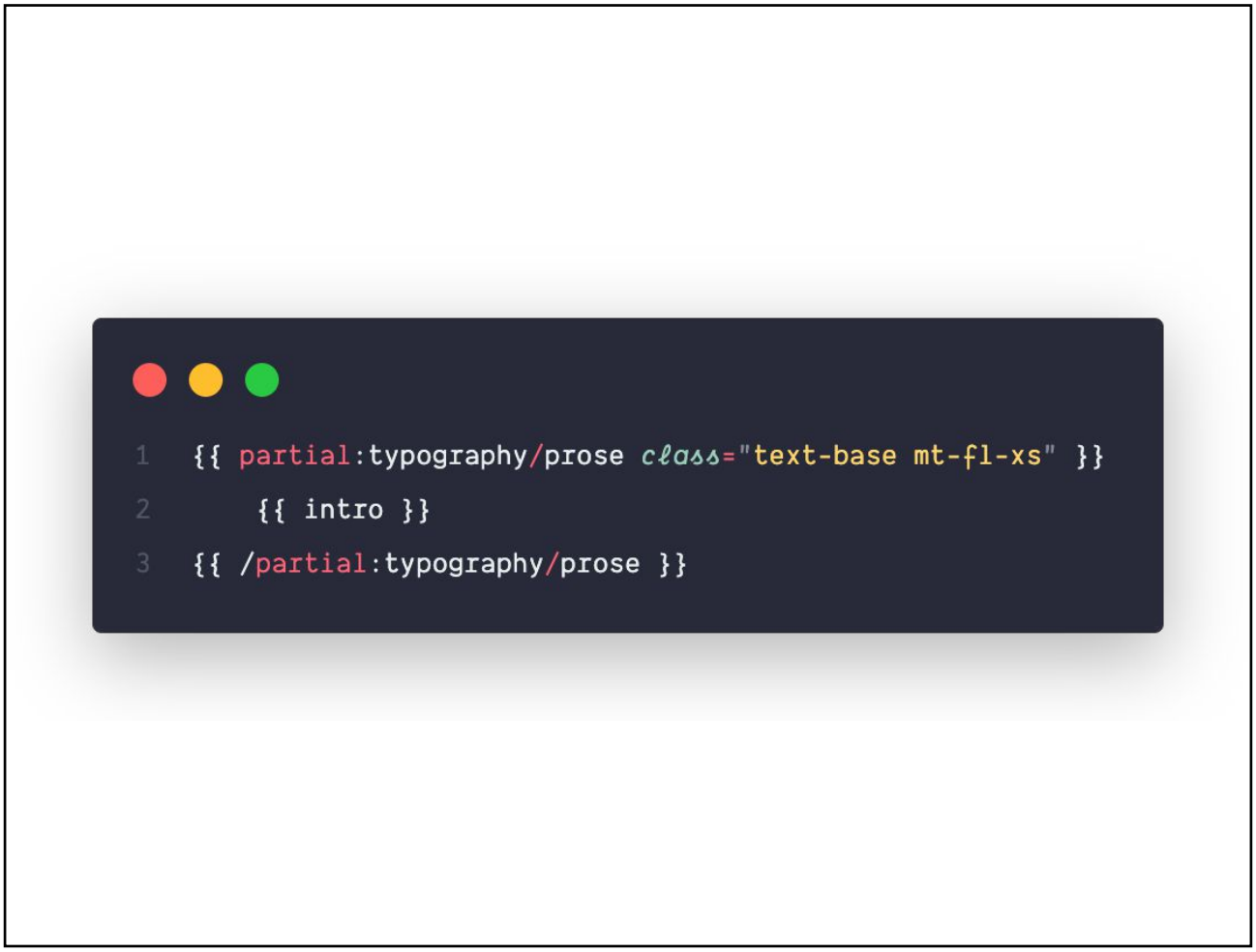
```
<nav class="hidden md:block" aria-label="{{ trans:strings.main_navigation }}">
    <ul class="flex items-center space-x-8">
        {{ nav:main max_depth="2" include_home="true" select="title|url" }}
            <li>
                {{# Nav and children... #}}
            </li>
        {{ /nav:main }}
    </ul>
</nav>
```

Tag pair

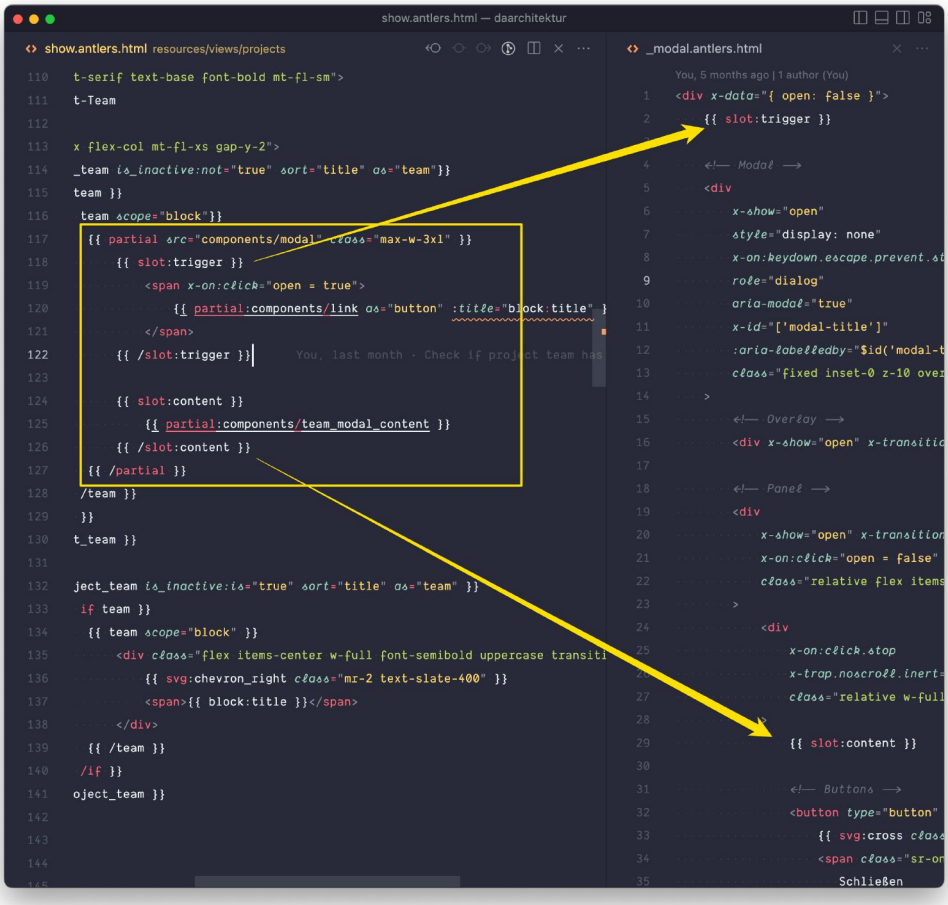
Partial Tag

- One of the most used tags
- Used to import partials
- Can have arguments ("props"), slots, and, since 3.3 named slots
- Helps to employ a utility-first CSS workflow

1 {{ partial:typography/h1 :content="main_heading" }}


{{ partial:typography/prose class="text-base mt-fl-xs" }}
{{ intro }}
{{ /partial:typography/prose }}

Named Slots

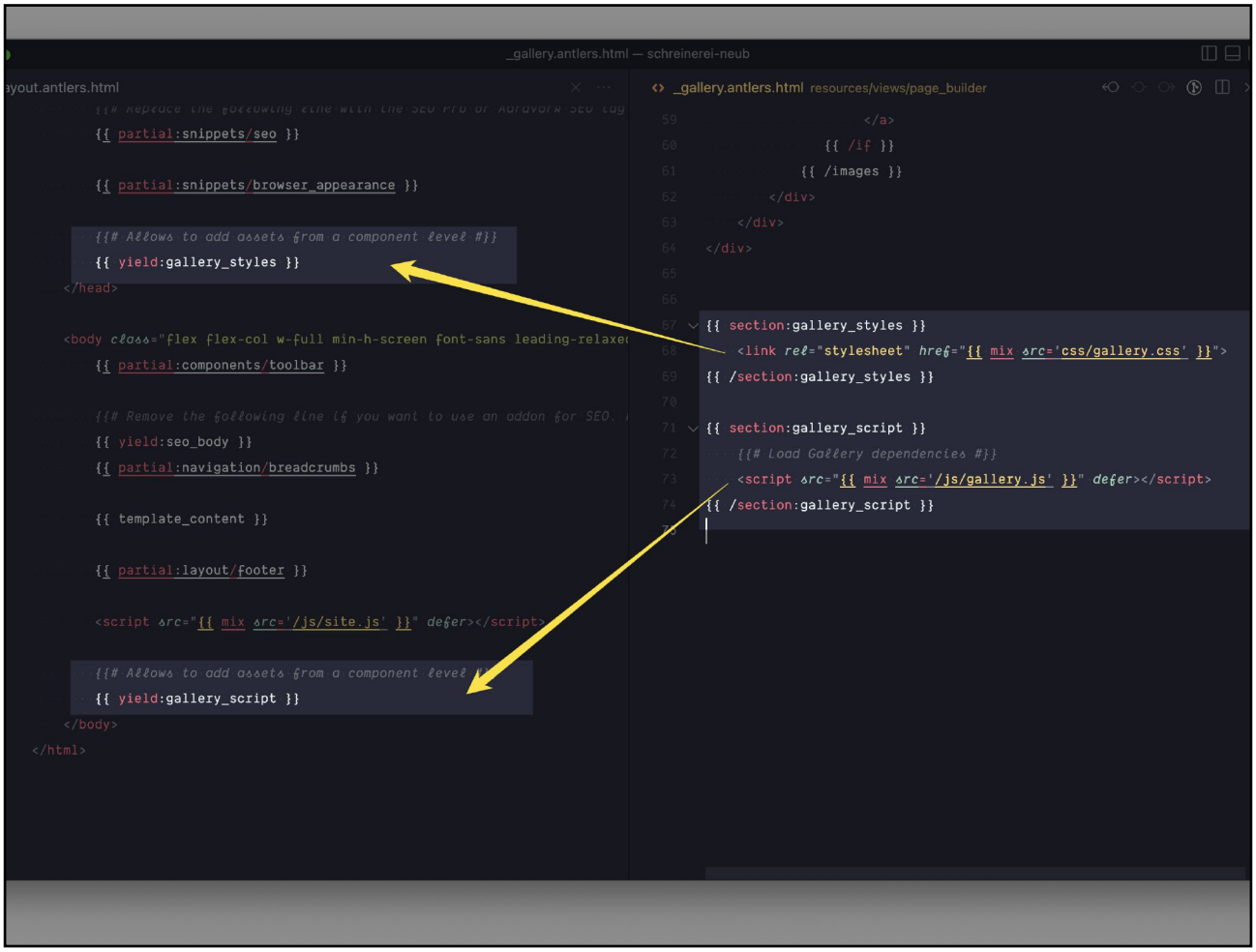


Example of a Modal component that uses named slots to insert markup for both the modal's trigger and content

Yield & Section Tags

Most commonly this section/yield approach is used to create a global area in your layout that can be changed by your templates.

- https://statamic.dev/tags/yield
- https://statamic.dev/tags/section

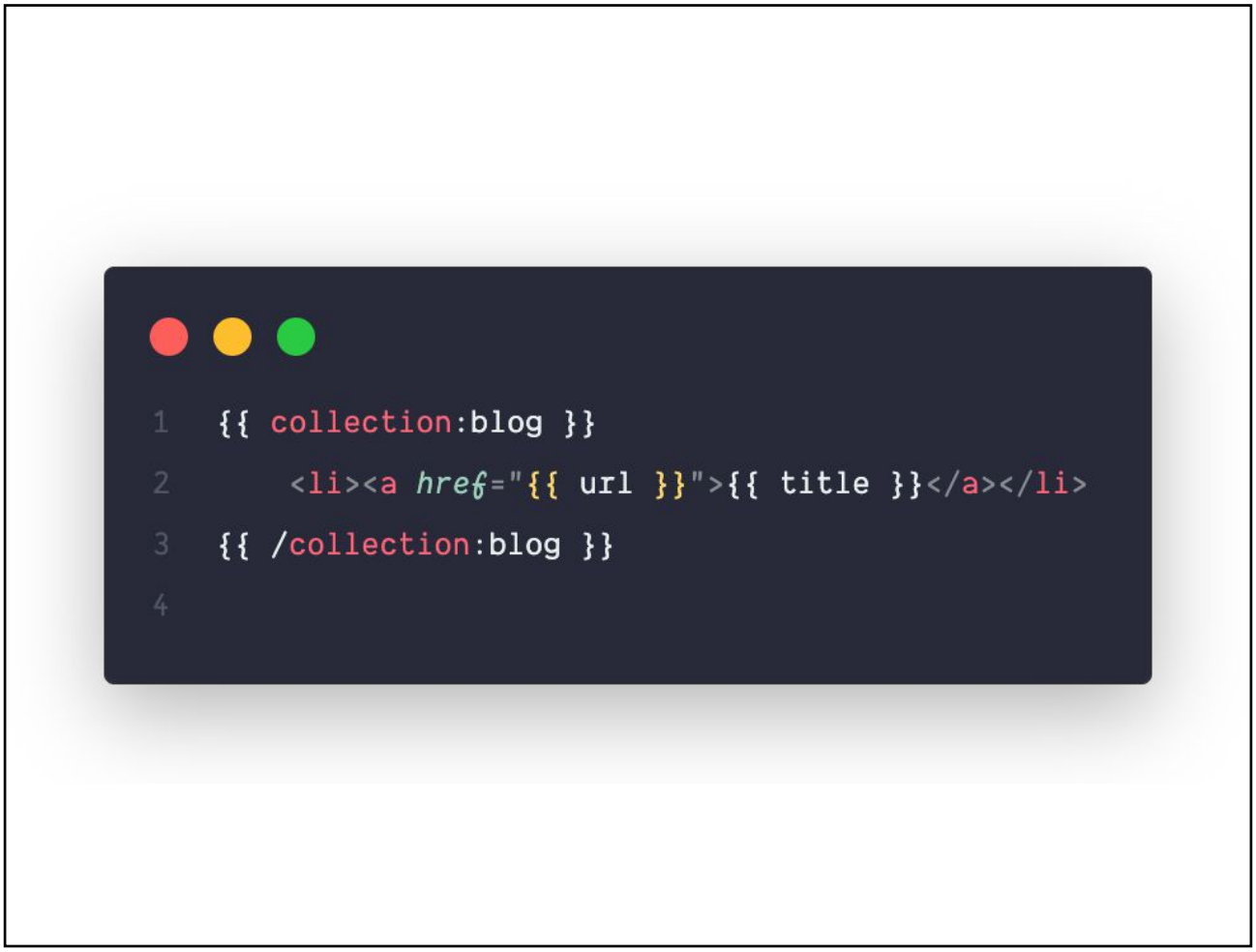


Yield & Section with example of gallery styles and scripts

Collection Tag

Query Collection Data
Filter, Sort, Group, Paginate

- query all collection data
- sort, filter, group, paginate
  https://statamic.dev/tags/collection



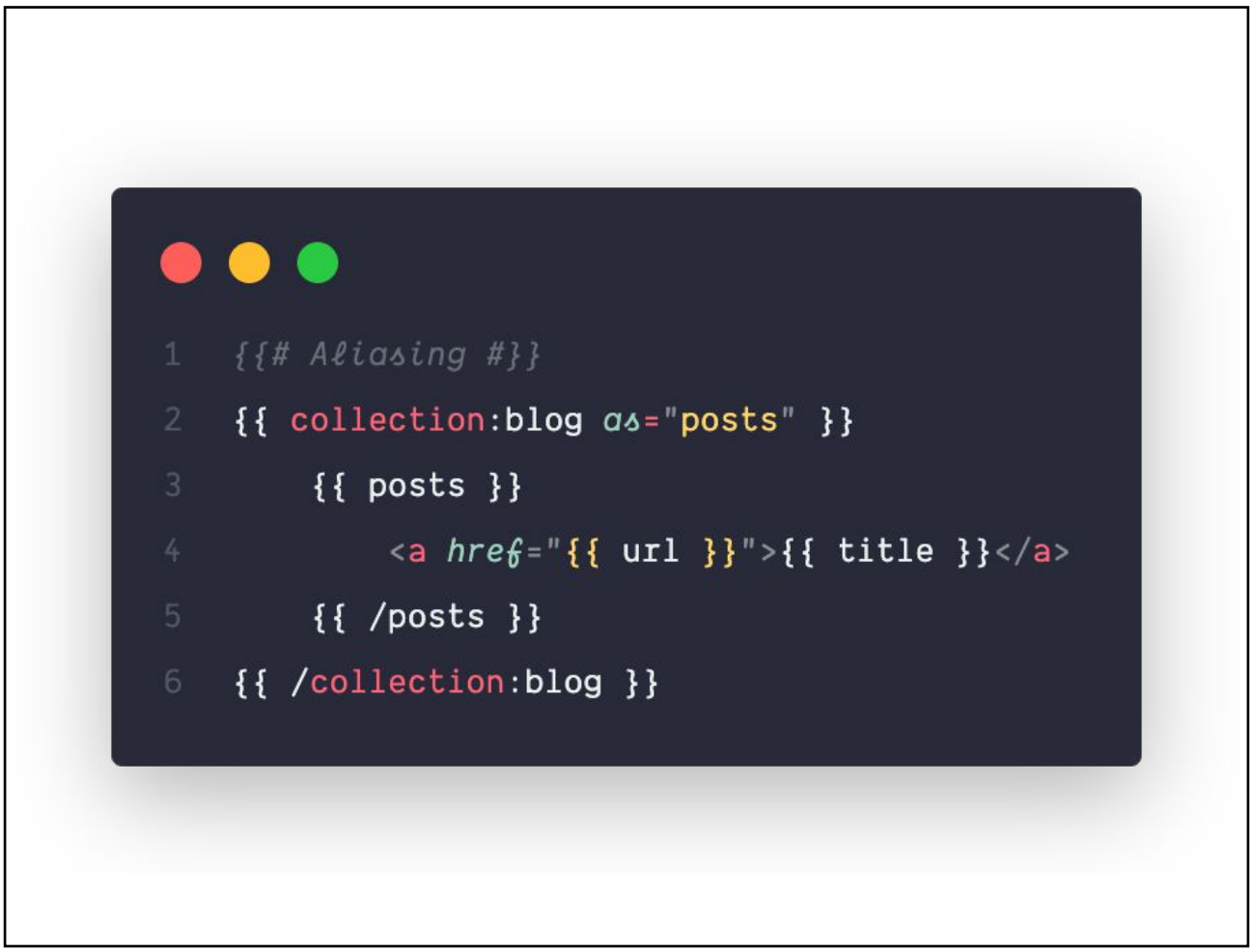
Render a list item for every entry in the *Blog* collection

```
{{# Retrieve data from multiple collections #}}
{{ collection from="blog|events" }}
    <li><a href="{{ url }}">{{ title }}</a></li>
{{ /collection }}
```

Render a list item for every entry in both *Blog* and *Events* collection

Filter the collection by conditions

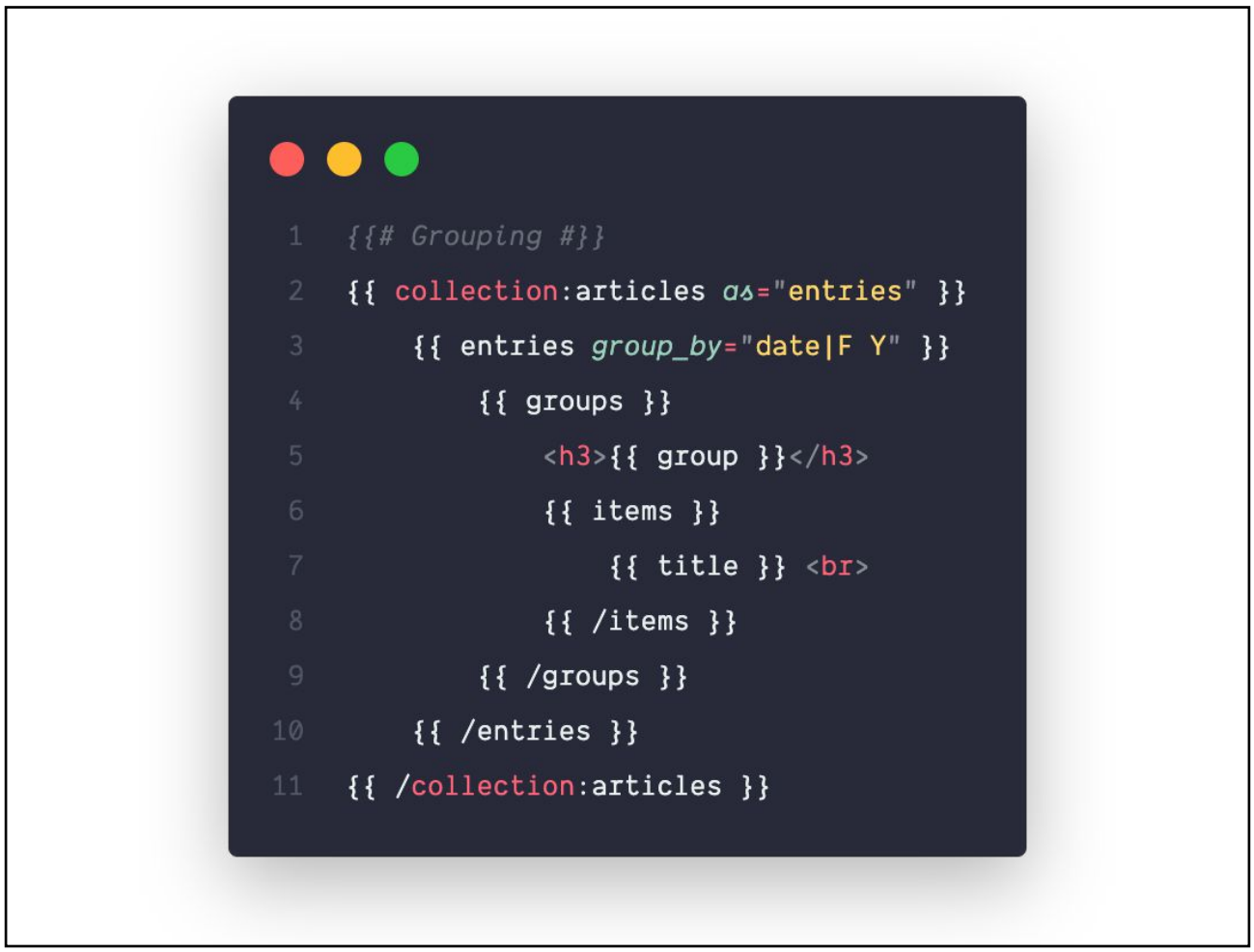
Dedicated arguments to filter by taxonomy



```
{{# Aliasing #}}
{{ collection:blog as="posts" }}
    {{ posts }}
        <a href="{{ url }}">{{ title }}</a>
    {{ /posts }}
{{ /collection:blog }}
```

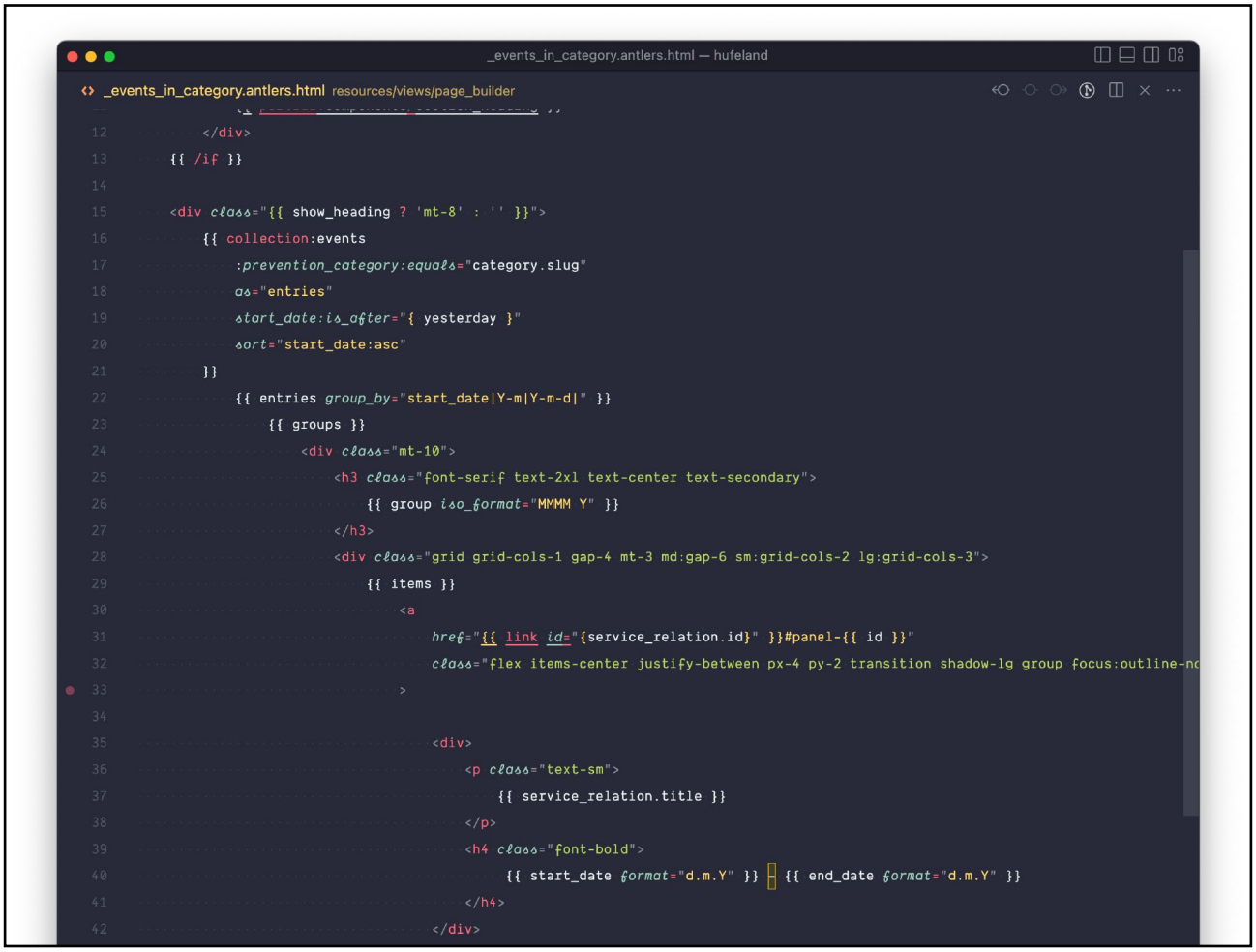
Aliasing a query enables to check conditions before rendering any output

Scoping avoids higher-up variables with the same name being rendered unwittingly



```
{{# Grouping #}}
{{ collection:articles as="entries" }}
    {{ entries group_by="date|F Y" }}
        {{ groups }}
            <h3>{{ group }}</h3>
            {{ items }}
                {{ title }} <br>
            {{ /items }}
        {{ /groups }}
    {{ /entries }}
{{ /collection:articles }}
```

Grouping allows to group the output by conditions, i.e. add a group heading for every month of a year in a list of posts.

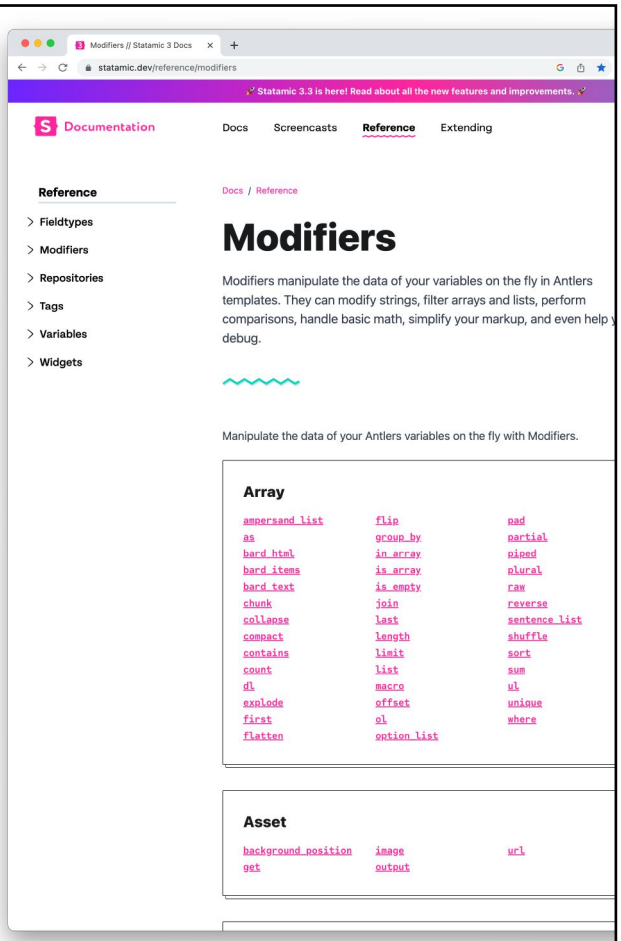


Example of a collection query showing events that match the taxonomy selected for the current page, sorted and grouped by date.

Modifiers

Change data on the fly

```
{{ some_var | modifier }}
```



https://statamic.dev/reference/modifiers

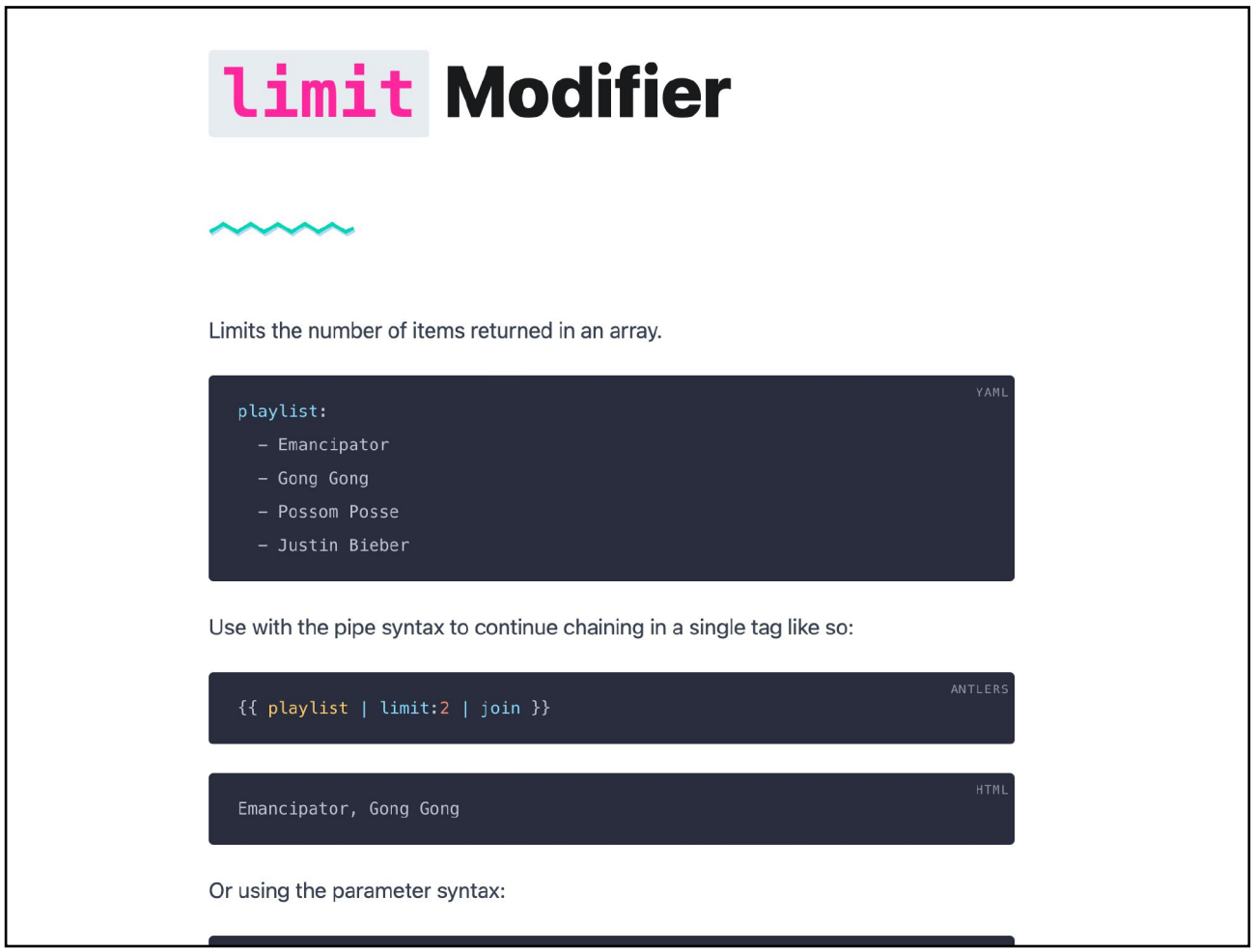
`length` Modifier

Returns the number of items in an array or characters in a string.

```yaml
array:
  - Taylor Swift
  - Left Shark
  - Leroy Jenkins
string: LEEEERROOOYYYY JEEENKINNNSS!
```

```antlers
{{ array | length }}
{{ string | length }}
```

```html
3
27
```



`limit` Modifier

Limits the number of items returned in an array.

YAML

```yaml
playlist:
  - Emancipator
  - Gong Gong
  - Possom Posse
  - Justin Bieber
```

Use with the pipe syntax to continue chaining in a single tag like so:

ANTLERS

```
{{ playlist | limit:2 | join }}
```

HTML

```
Emancipator, Gong Gong
```

Or using the parameter syntax:

- Modifiers can have arguments
- Modifiers can be chained

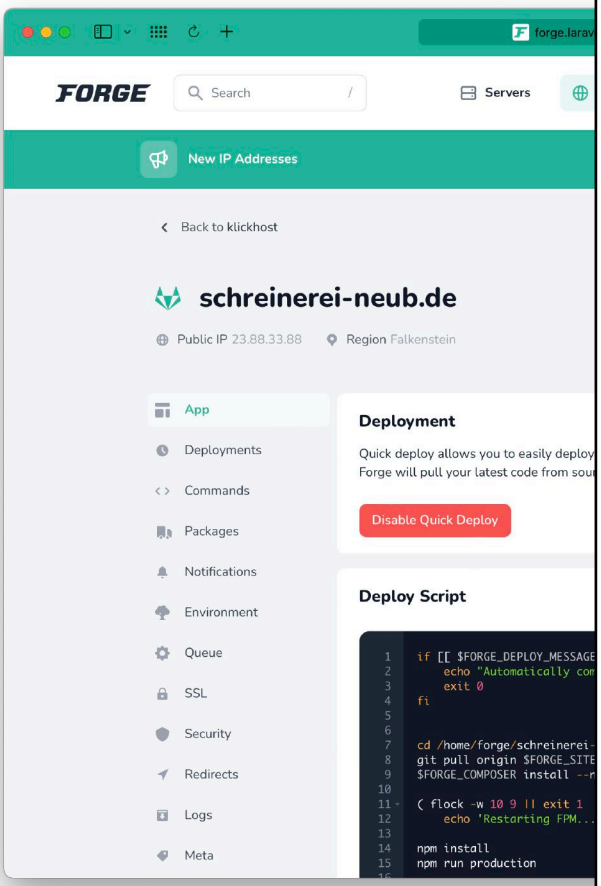
Search

Forms
Results
Indexes
Drivers

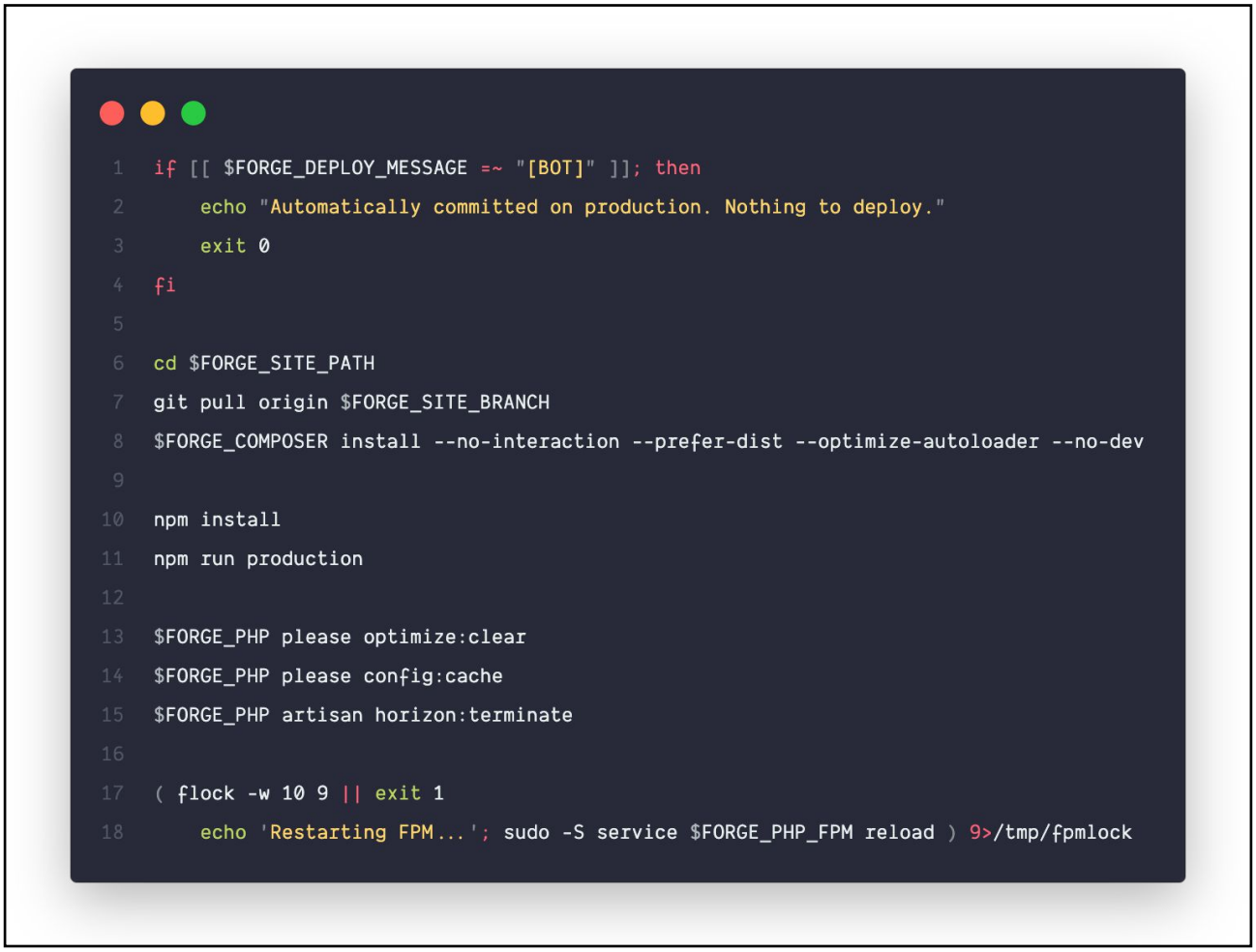
Details at: https://statamic.dev/search

Deploying Statamic

Laravel Forge



- Provisioning as a service
- Connect VPS and Repo
- Run Deploy on Push and/or Trigger manually



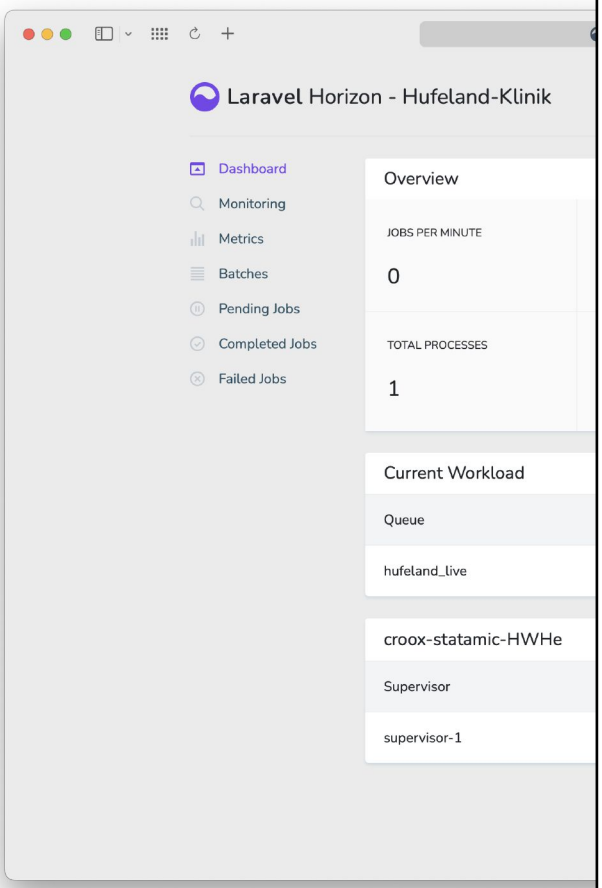
```
if [[ $FORGE_DEPLOY_MESSAGE =~ "[BOT]" ]]; then
    echo "Automatically committed on production. Nothing to deploy."
    exit 0
fi

cd $FORGE_SITE_PATH
git pull origin $FORGE_SITE_BRANCH
$FORGE_COMPOSER install --no-interaction --prefer-dist --optimize-autoloader --no-dev

npm install
npm run production

$FORGE_PHP please optimize:clear
$FORGE_PHP please config:cache
$FORGE_PHP artisan horizon:terminate

( flock -w 10 9 || exit 1
    echo 'Restarting FPM...'; sudo -S service $FORGE_PHP_FPM reload ) 9>/tmp/fpmlock
```

Deploy script as used on Forge

Queues

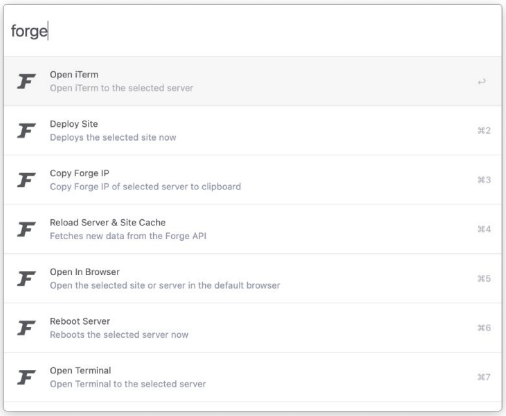
Batch process tasks such as Git commit & push, sending emails, importing data

→ Setup Notes



- Redis can be used to process queues
- Horizon provides a nice interface to see what's happening
- E.g. Git commit & push, sending emails, importing data from APIs

Alfred and Forge ❤️



https://github.com/vmitchell85/alforge

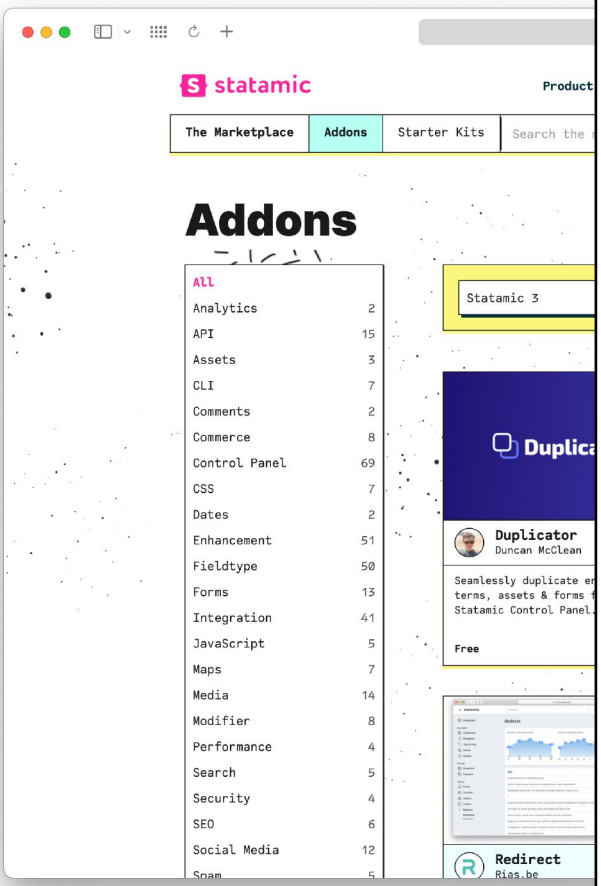
Extending Statamic

Custom Modifiers

```
php please make:modifier Tel
```

```
{{ phone_number | tel }}
```

Addons Marketplace



Custom Addons

Example of a custom plugin to visualize submissions across Various forms, done by a developer who, until then, has never touched Statamic but is prolific with Laravel

Static Caching

- The full static cache creates static HTML
- Peak ships form partials to send forms with AJAX that works with static caching out of the box

Enable Static Cache

```
STATAMIC_STATIC_CACHING_STRATEGY=full
```

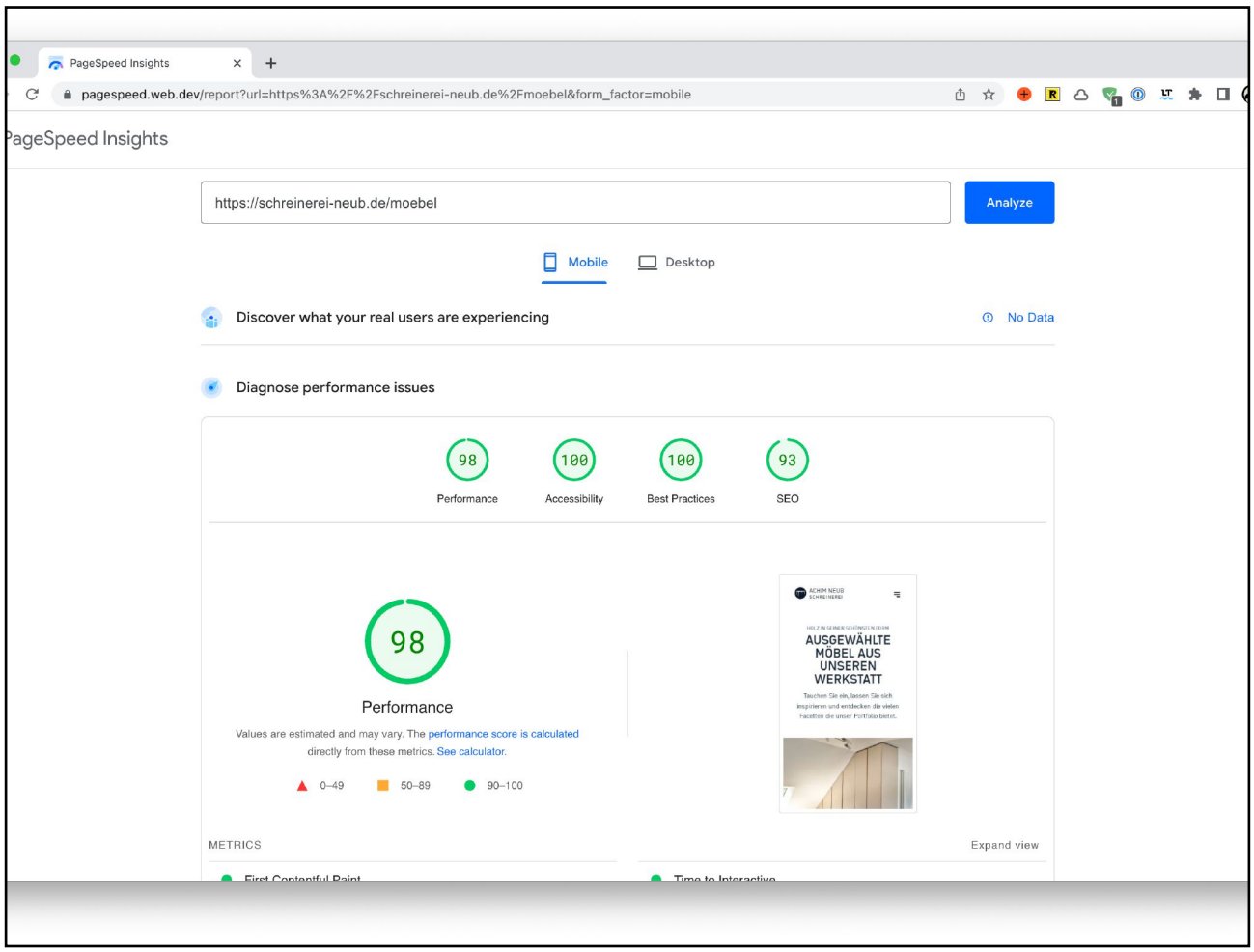
Setup Rewrite Rules

```
location / {
  try_files
/static${uri}_${args}.html $uri
/index.php?$args;
lear & Warm the caches
```

Clear & Warm

```
php please static:clear && php
please static:warm
```

Can be done with Laravel Scheduler and/or on deployment Cache invalidation happens automatically when entries are saved We can setup rules to trigger invalidation, e.g. when certain globals are changed, invalidating all pages is often necessary (think footer data that affects all pages)



Benefits can be felt and measured
Also available: Static site generator
The SSG Package makes it possible to build entirely static html that can be served independently :https://github.com/statamic/ssg

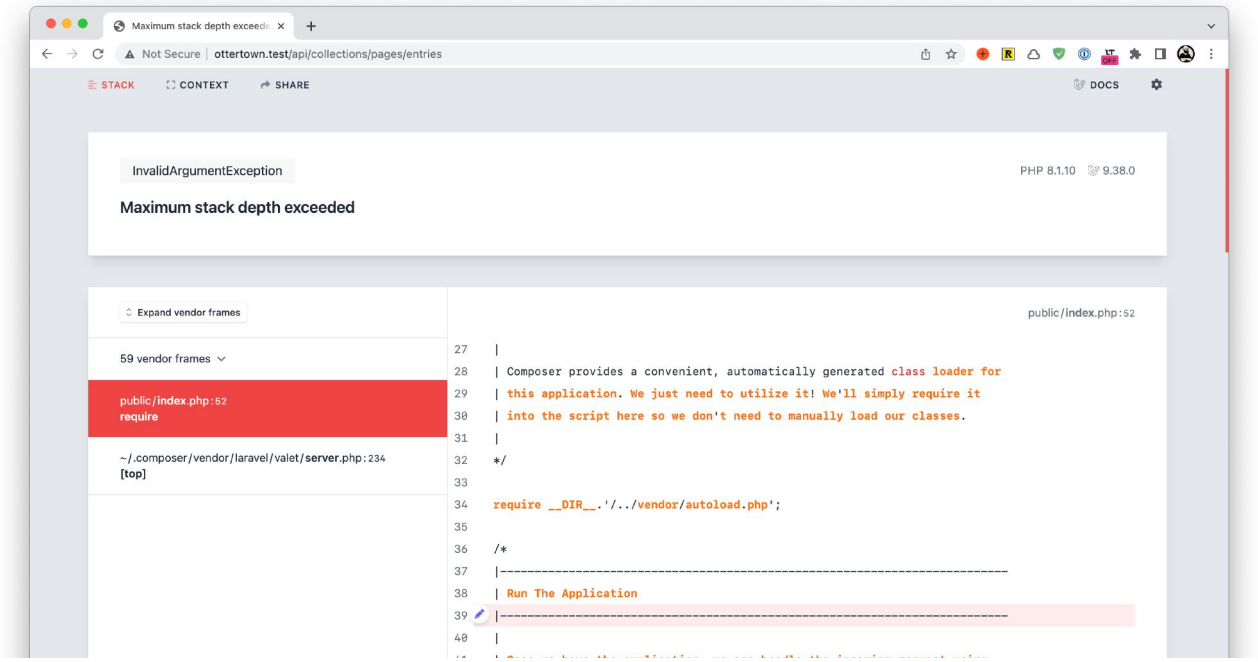
Running Headless?

- I have no experience, just tried it last night
- REST and GraphQL available
- is enabled via `.env`
- the entities to be exposed are defined in `api.php`
- Middleware can be added for authentication

Can't be that hard, right?

```
STATAMIC_API_ENABLED=true
```

```
    'resources' => [
        'collections' => true,
        'navs' => true,
        'taxonomies' => true,
        'assets' => true,
        'globals' => true,
        'forms' => true,
        'users' => true,
    ],
```



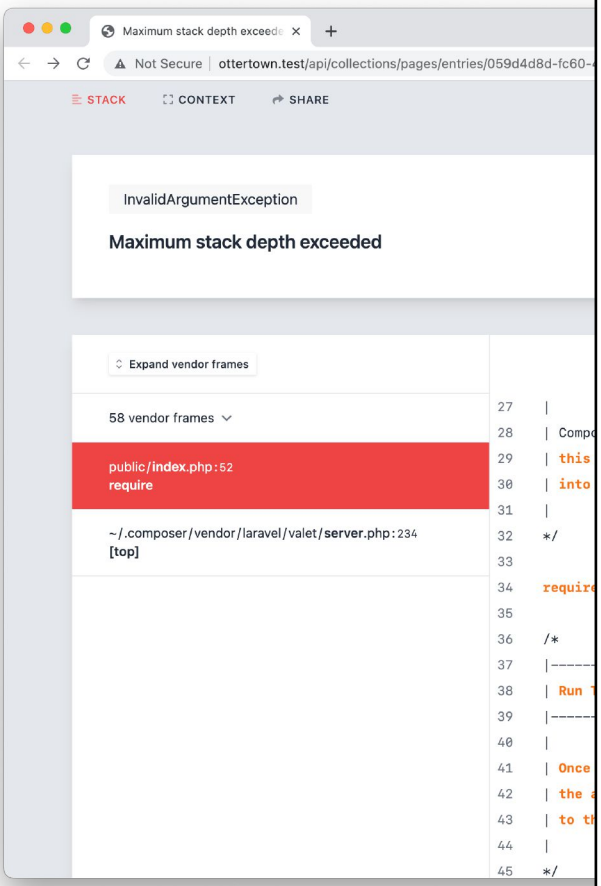
https://github.com/statamic/cms/issues/6123

Limiting returned fields helps

```
entries?fields=id,
title, updated_by,
updated_at, api_url
```

Until you follow an `api_url` link

😔



→
https://github.com/klickreflex/ottertown

Thanks

📝 wentsch.me

📩 hello@wentsch.me

🦣 @klickreflex@freiburg.social