

23 OCTOBER 2018

ReactSA

Drupal and React



Drupal?

1/0

History and Background

- Open Source CMS

- First release in 2001 by Dries Buytaert

- Written in PHP. Runs on LAMP stack.

- Come for the Code; Stay for the Community.

- Free as in freedom and free as in beer

Strengths

- Modern PHP

- Structured content

- More flexible than competitors (Wordpress)

- Huge interest in modernizing frontend

- [API first](#)

Why Amaze uses Drupal


- Extensible

 - Flexible workflows

 - Decoupled flexibility

 - OOTB admin interfaces

 - “Enterprise” grade features

- 

Where does React fit in?



1/0

Existing Drupal Site

- Just install some modules
- Use React to extend parts of site
- Create a new SPA that integrates with existing site
- Replace Drupal, one page at a time

Case Studies

- [Rotary International](#)

- [Zurich Tourism](#)

- [Harte Research Institute](#)

- [Public Radio International](#)



Rapid Backend

- Structure without code

- Admin UI to CRUD content

- Expose all data via GraphQL, JSONAPI, and/or REST

- React Native

- Vast library of modules (e.g., commerce)

Case Studies

- [Texas Camp](#) ([open source](#))
-

Demo

1/0

Drupal Decoupled App

- Complete Drupal + React example app
-

- GraphQL
-

- Pre-configured to run on amaze.io
-

- <https://github.com/drupal-graphql/drupal-decoupled-app>
-

Final Thoughts

1/0

MISC

- GraphQL read-only OOTB

- JSONAPI can only CRUD entities

- Contenta - A Decoupled Drupal Distribution

- Alternatives? (form.io, contentful, graphcms, gatsby)

- Drupal [Admin UI & JavaScript Modernisation](#) Initiative

- Tons of other presentations on the topic

- Same rules apply for other frontend frameworks

Questions?

- In Austin? Join me at the [Drupal Dojo!](#)



Brandon Williams

Software Engineer

t @rocketeerbkw

amazee.io

