BUILDING WEBSITES USING REACT.JS AND WORDPRESS API

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WHO AM I?

- WordPress Developer since 2010
- Founder of Webpigment
- Plugin Author
- WordCamp Traveler
WHAT ARE WE GOING TO TALK ABOUT TODAY

• What is React
• What does it mean for a website to run on React
• How to implement react with WordPress API

• Or you can go and listen to Aleksandar Pasku and his talk about Storytelling: The art of communication (lang: SR) at AMPHITHEATER 2
DEAR SIR,

YOU
REACT.JS

- Javascript library for building interfaces.
WHAT DOES IT MEAN FOR A WORDPRESS WEBSITE TO RUN ON REACT?

• Bespoke! Bespoke! Bespoke everywhere!
THE BEGINNING

- Few tutorials about React.js and Redux
- WordPress API
THE APPROACH

- React.js and index.html in separate domain for retrieving data.
- WordPress API + ACF Pro Flexible field for building the pages content.
THE CONFIGURATION

- Domain for assets
- Domain for API requests
- Domain for the index.html (www)
- .htaccess masking of the domains
THE IMPLEMENTATION

• Created all flexible content blocks
• Connector class between React.js class and WP REST API response to process the layout
• Build the elements
### Content builder

1. Project header
2. Content area
3. Image section
4. Content area
5. Image section
6. Content area
THE OPTIMIZATION

- `<picture>`
- Cutting `.class` and `#id` names
- CDN
- Optimized images for different devices
- Removed all unnecessary data from the JSON response
THE CHALLENGE

- The loading animation
- Forms and validation (nonce) through the CDN
- SEO – web crawlers
THE FRUITS OF OUR LABOR

Summary

Performance grade
A 95

Load time
310 ms

Faster than
99 % of tested sites

Page size
1.2 MB

Requests
25

Tested from
Stockholm
on Sep 4 at 19:02