

Crash Course Into Multilingual Websites With Next.js and Headless Content.



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Today agenda.



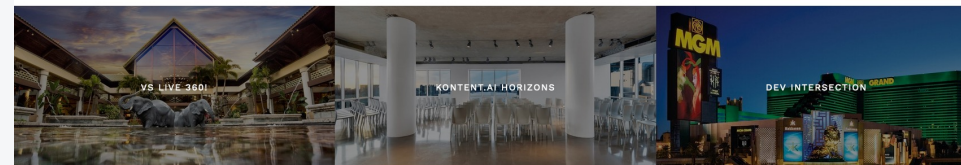
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Are you into modern web development with React, React Native, GraphQL, TypeScript and hungry to learn from the best? The React ecosystem and community have grown drastically in the past years, and so did the complexity of web and JavaScript app development. It's highly recommended to take this journey with the help of others - so connect with the global network of field experts and explore the framework! Engineers of any level are welcome, but be prepared for hardcore. There will be 2 tracks of talks: General & Pro tracks. This year, the format of the event will be hybrid, with the first day streamed from the London venue including hybrid networking features and interactive entertainment; and second day, as well as the numerous free workshops, streamed to the global audience online.

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Agenda

- Import content into your project
- Generate strongly typed TS models
- Implement rich text resolution on homepage
- Implement listing index and listing detail pages
- Add two new languages in both code and the CMS
- Adjust data fetching queries to respect used locale
- Add context-aware language switch

Important links

- Workshop repository:
`https://github.com/ondrabus/react-advanced-2022-workshop`
 - Additional links are also in the repository under `links.txt`
- Kontent.ai registration
<https://app.kontent.ai/sign-up>
- Clone the repository now :)
`git clone https://github.com/ondrabus/react-advanced-2022-workshop`



1/6 Get up and running

- Register for a free plan at <https://app.kontent.ai/sign-up>
 - You can also use my project if you don't want to register
- Note the following API keys:
 - Project ID
 - Management API key
- Import the ZIP package from repository code (content.zip) using Kontent Template Manager
<https://kentico.github.io/kontent-template-manager/>

2/6 Set up project in VS Code

- Add a .env file with single variable KONTENT_PROJECT_ID
- Add NPM script to generate strongly typed models using <https://github.com/kontent-ai/model-generator-js>
 - You need to provide Project ID and Management API key
 - Generate the files into /models folder
- Try to run the site with `npm run dev`

3/6 Add rich text resolution

- Rename the components under /components folder from .backup to .tsx
- Add NPM package for rich text resolution from <https://github.com/kontent-ai/react-components>

```
npm i @kontent-ai/react-components
```

- Add RichTextElement to index.tsx page and add resolve cases for all components

4/6 Implement listing index and detail

- The two pages are already prepared, rename them from `.backup` to `.tsx`
- Fill the `getStaticPaths` and `getStaticProps` functions
- Check the site works with `npm run dev`

5/6 Add languages

- Add two new languages to `next.config.js`
 - I'm using `cs-CZ` and `de-AT`, but feel free to use any other you're comfortable with
- Add these languages to Kontent.ai project too
- Prepare some localized content items

6/6 Adjust implementation

- Add `languageParameter` to all content fetching functions
 - Add `locale` to `getStaticProps` signature
- Add language switch to `Layout`
 - Get `locale` and list of all locales from router
 - Add `localeToReadableString` function to get proper labels
- Make the language switch context-aware

Good job!

NEXT.js 

Get in touch.



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