



**DEVELOPERS LIVE**

# **SPA Editor 2.0: add in-context editable spots to your SPA**

**Sharanya Vinod | Software Development Engineer**

**Patrick Fauchere | Engineering Manager**

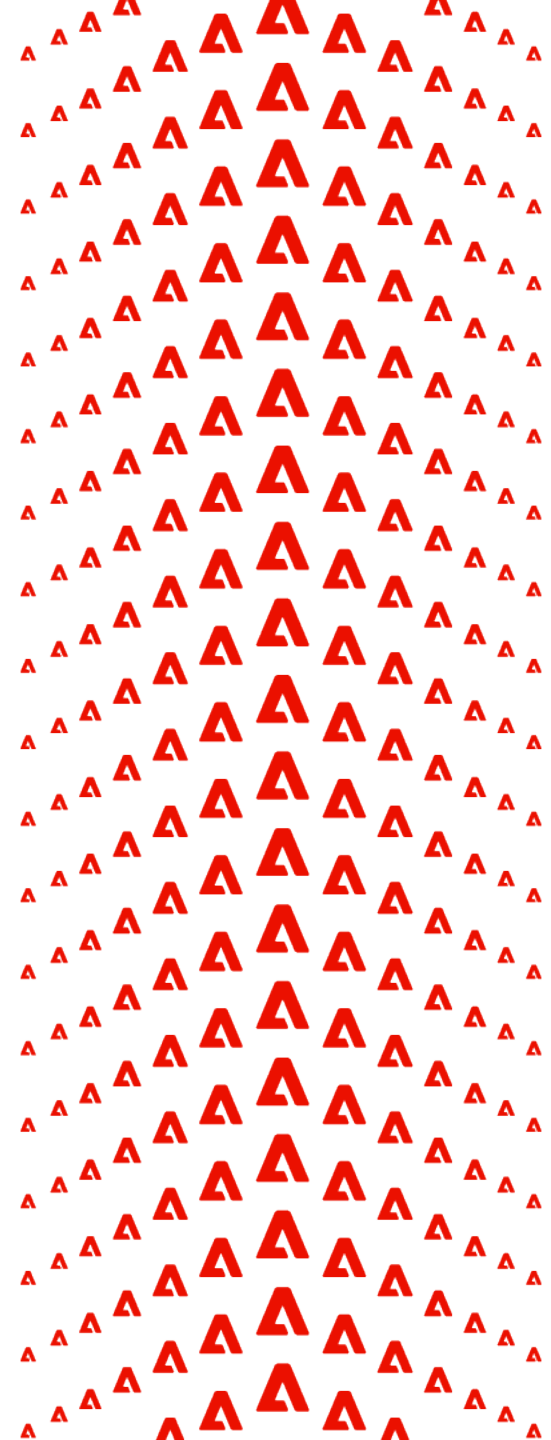
**Gabriel Walt | Sr. Product Manager**



# SPA Editor 2.0

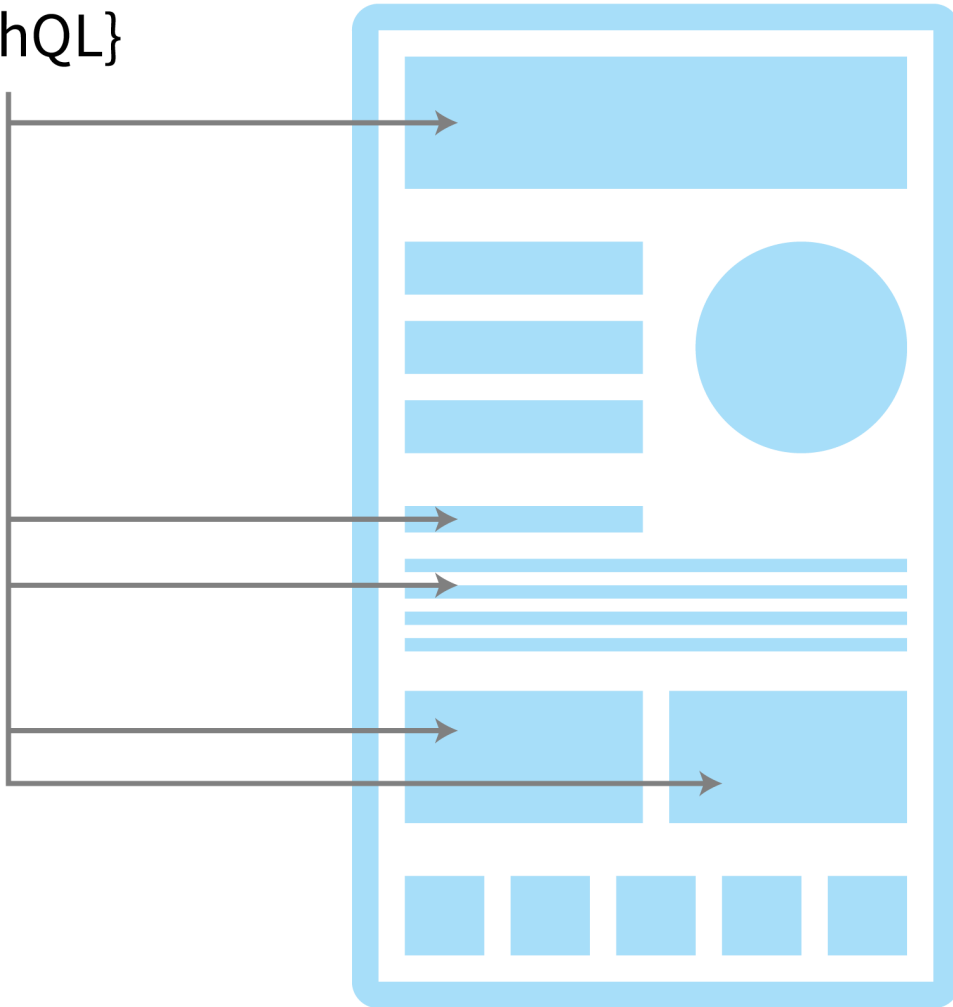
## Agenda:

- Overview of options
- Timeline
- Demo
- Technical summary



# Headless Experience Management

{GraphQL}



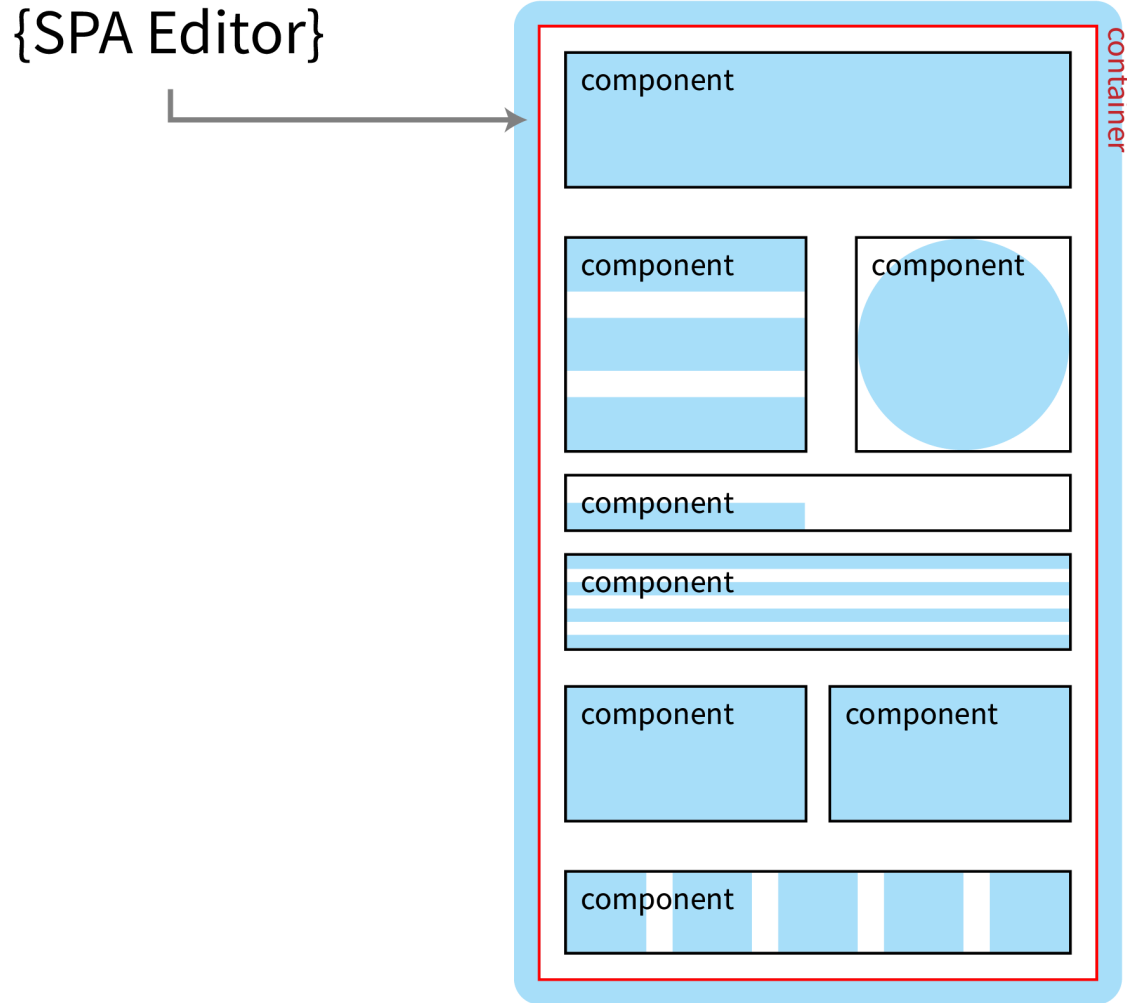
## Developers

- Consume flexible JSON API
- Full control over the SPA
- SPA can live outside of AEM

## Authors

- Form-based editing
- No layout capability

# Headless Experience Management



## Developers

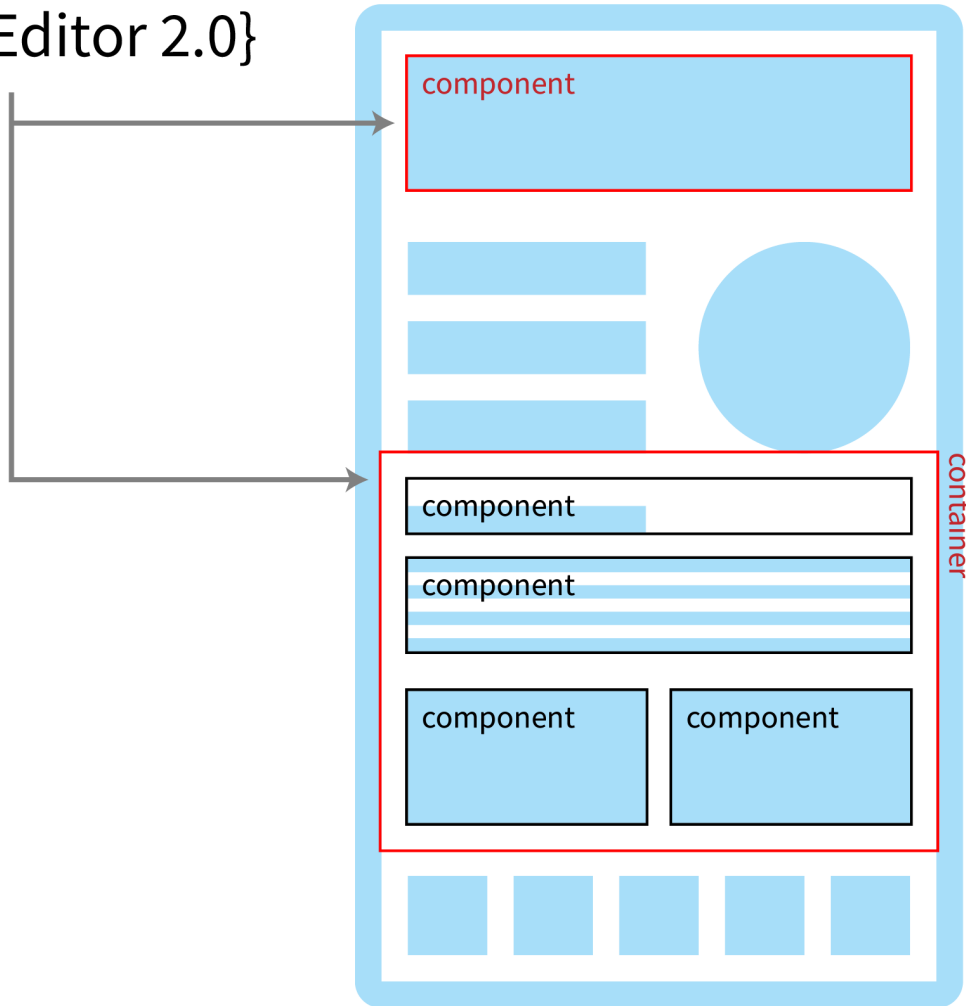
- Components available as SDK
- Limited control over layout & states
- SPA must be hosted on AEM

## Authors

- In-context editing
- Content structure drives app states

# Headless Experience Management

{SPA Editor 2.0}



## Developers

- Full control over the SPA
- SPA can live outside of AEM
- Components available as SDK
- Define editable sections for authors

## Authors

- In-context editing in defined area
- Content structure driven by the app

# Timeline

## 2018 SPA Editor 1.0

In-context editing of web apps that are hosted on AEM.

Availability: Cloud Service, 6.5, 6.4.

## H2 2020 Remote Page component & editable sections

Loading of a remote web apps in the page editor.

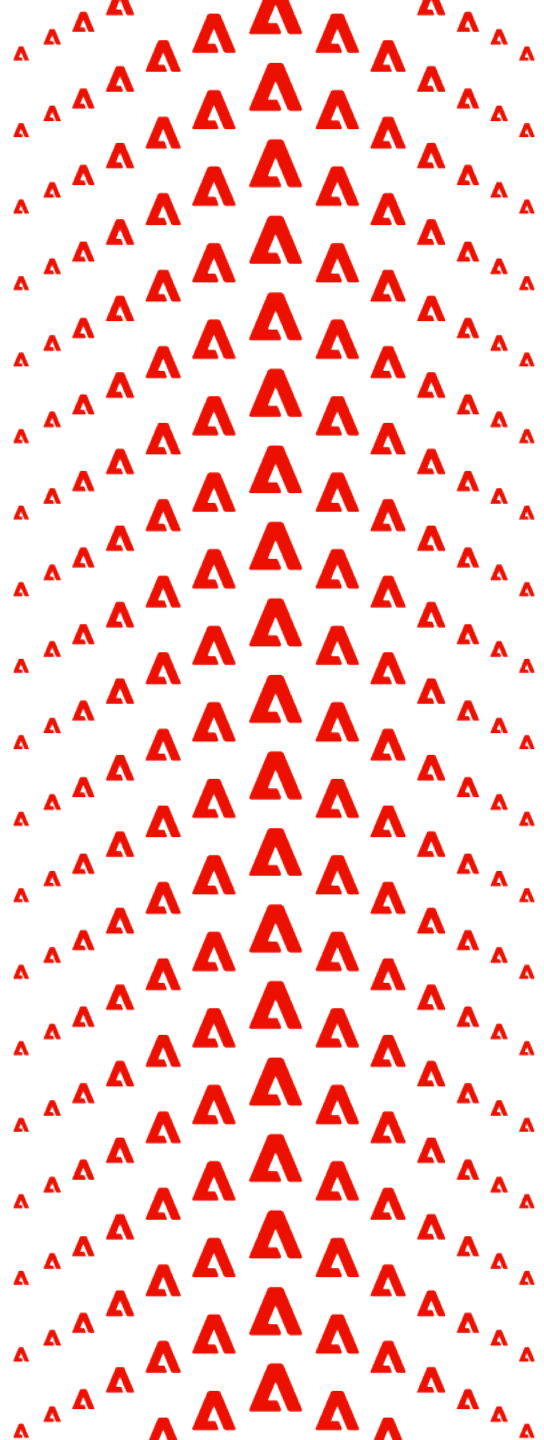
Editable sections for authors to insert components in-context.

Availability: Cloud Service, 6.5.

## H2 2021 SPA Editor 2.0

Seamless editor support of existing external web apps.

**Demo**



# Enabling remote app editing on AEM



Generate your AEM project using the Archetype

Deploy the project that contains the backend logic to an AEM instance



Modify the resource type of the page to point to the RemotePage component

```
aem-project > ui.apps > src > main > content > jcr_root > apps > wknd-spa > components > page > .content.xml
1  <?xml version="1.0" encoding="UTF-8"?>
2  <jcr:root xmlns:sling="http://sling.apache.org/jcr/sling/1.0" xmlns:cq="http://www.day.com/
3      jcr:primaryType="cq:Component"
4      jcr:title="WKND GraphOL Page"
5      sling:resourceSuperType="spa-project-core/components/remotepage"
6      componentGroup=".hidden"/>
7
```



# Project configuration to add AEM editable sections

- Include Adobe SPA SDK packages
  - `@adobe/aem-react-editable-components`
  - `@adobe/aem-spa-page-model-manager`
  - `@adobe/aem-spa-component-mapping`
- Instantiate the `ModelClient` and set the URL to the AEM instance
- Initialize the `ModelManager` before rendering the app

# Add AEM editable sections

- Create editable sections to render AEM content
  - Provide a `resourceType` in the frontend component config object
  - Use `withMappable()` to enable the authoring capability  
*provided by @adobe/aem-react-editable-components*
- Instantiate the component and set the following properties
  - `pagePath` – Path to the AEM Page node where data is persisted
  - `itemPath` – Relative path under the AEM Page node where data of the component is persisted

# Get started right away

- SPA Editor 1.0 overview:

[bit.ly/spa-editor-overview](https://bit.ly/spa-editor-overview)

- Remote Page component:

<http://bit.ly/spa-remote-page>

- SPA Editor SDK:

[github.com/adobe/aem-react-editable-components](https://github.com/adobe/aem-react-editable-components)

[github.com/adobe/aem-spa-page-model-manager](https://github.com/adobe/aem-spa-page-model-manager)

[github.com/adobe/aem-spa-component-mapping](https://github.com/adobe/aem-spa-component-mapping)

[github.com/adobe/aem-react-core-wcm-components](https://github.com/adobe/aem-react-core-wcm-components)

# Q&A

