WebDev Trends <2022/> by Elizaveta Ragozina

CERN IT Lightning Talks #23

https://indico.cern.ch/event/1197994/
Frameworks » Backend

Most Popular Backend Frameworks

Last 3 years

Jan-2022

statisticsanddata.org/data/most-popular-backend-frameworks-2012-2022
Frameworks » Frontend

• React, Vue keep winning popularity
Frameworks » Frontend

• React, Vue keep winning popularity
• Sudden new love: Svelte
<script>
let name = 'world';
</script>

<h1>Hello {name}!</h1>
Architecture » Microfrontends

"Micro apps" that can be built, tested, deployed independently
Architecture » Microfrontends

Game-changer: Webpack 5 Module Federation

- Loading of separately compiled mf's at runtime
- Minimized dependency duplication
- Nesting, circular dependencies between containers possible
- Routing & history
- More tech stack flexibility
- Makes sense by huge apps
Architecture » Microfrontends

Game-changer: Webpack 5 Module Federation
Progressive Web Apps
Progressive Web Apps
Progressive Web Apps

App that can operate as web page and mobile app

- Platform independent
- Fast
- Works offline
- Sends push notifications
- Use of user device features
- Better SEO (indexed by Google)

- IOS limitations, no access to some sensors
Shortest cookbook: build app out of web page

1. Add web app `manifest.json` with metadata to the code

... add service workers for offline mode, push notifications etc...

Voilà
WebDev – constant (R)evolution
Images

• https://www.vecteezy.com/vector-art/1987723-abstract-banner-technology-stripes-geometric-diagonal-pink-blue-background

• Svelte meme: https://devrant.com/rants/2189694/svelte

• PWA

• https://www.cignex.com/sites/default/files/Progressive%20Web%20Apps_Twitter.png

• PWA companies: https://cms.webcreatify.com/gallery/28958-webapp6.png