

# Are PWAs ready to take over the world?

Implementing main progressive  
web app features in practice

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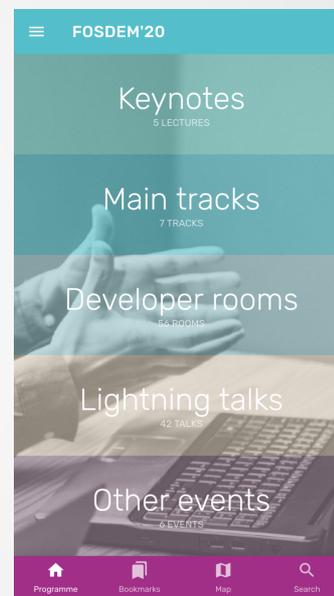
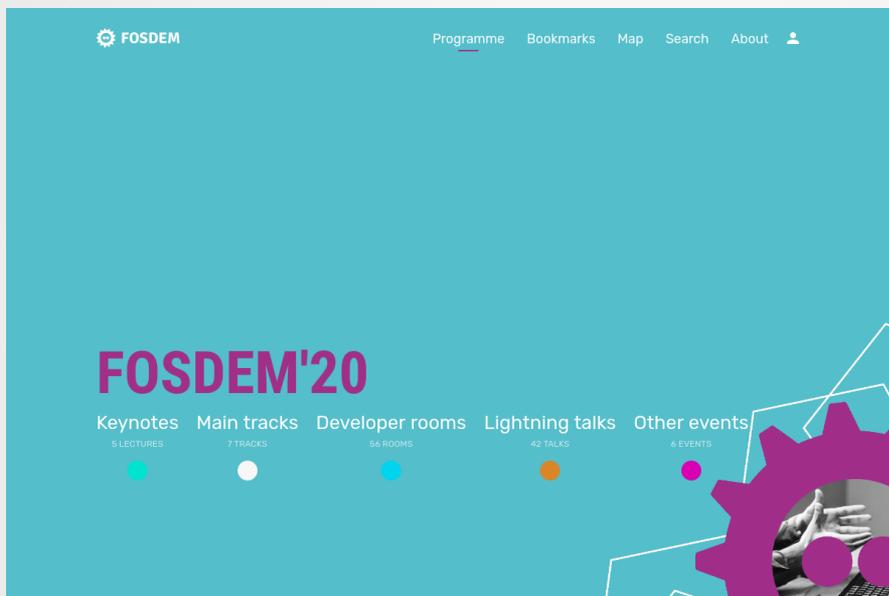
@untitledfactory

# What are PWAs?

*" PWA is a set of technologies designed to make faster, more capable web sites. They load fast, are available offline, are secure, can be accessed from your home screen, have push notifications, and more.*

-- Luke Wroblewski, notes from Jason Grigsby's talk

# PWA demo: Sojourner



<https://fosdem.sojourner.rocks>

<https://github.com/loomchild/sojourner-web>

# Sojourner Usage

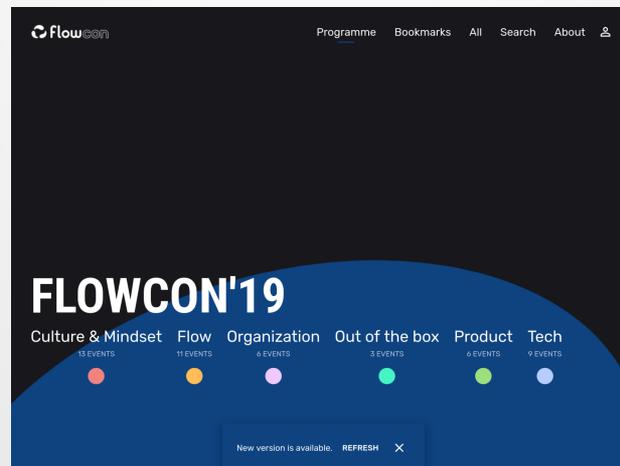
Unique visits Saturday (per 30 min)

600

Active users (5+ bookmarks)

165

Other conferences: FlowCon



# Selected PWA aspects

Offline-first

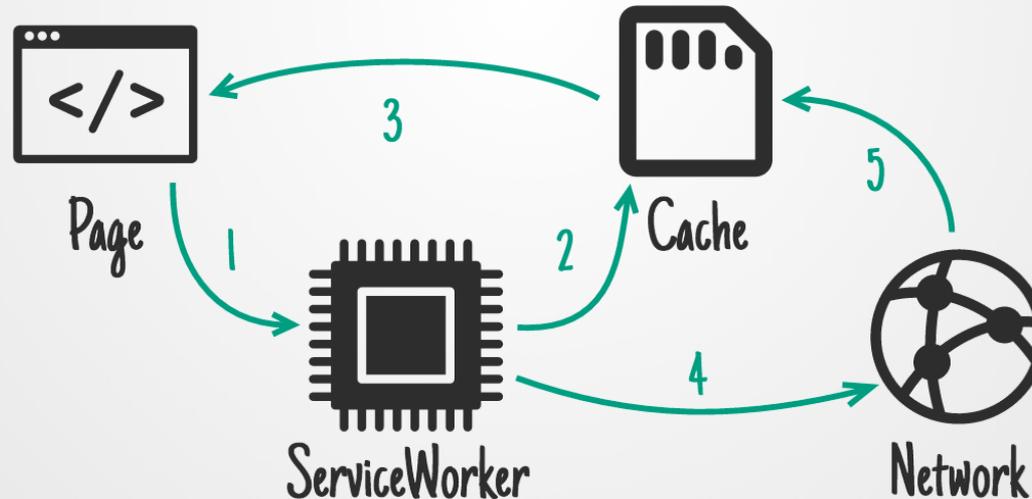
Installation

UX / UI

# Offline-first Caching via Service Worker

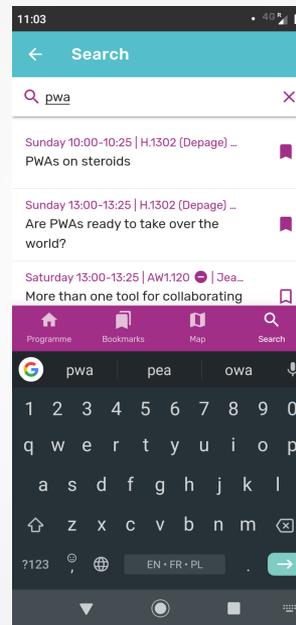
Pre-caching static resources (shell, images, fonts)

Using Stale-While-Revalidate strategy to handle schedule



No-caching of real-time information (room full)

# Offline-first Search

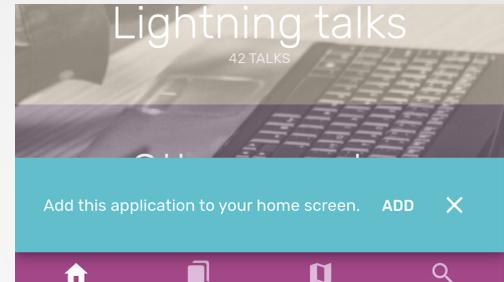


There are client-side full-text search libraries, such as Elasticlunr or Fuse.js

# Installation

Happens automatically on first visit

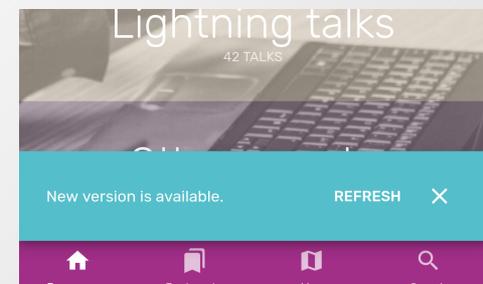
Add To Home Screen (A2HS)



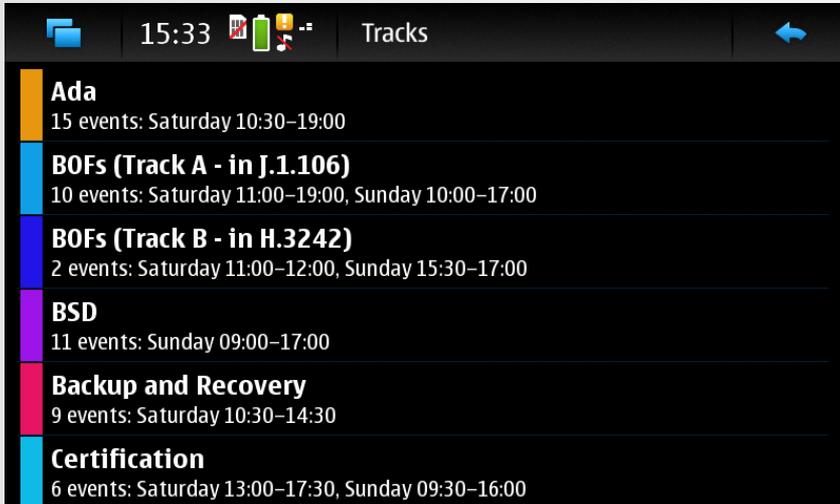
Offers almost universal support:

- Chrome (Android, Linux, MacOS, Windows)
- Firefox (Android)
- Safari (iOS)

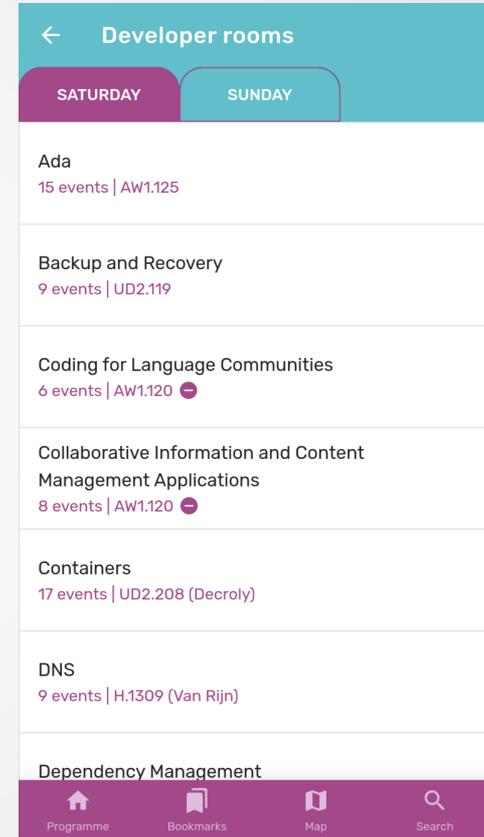
Update automatically on next visit,  
can invite the user to do immediately.



# UX / UI



Nokia N900 app



PWA

Which design system: Material Design, Human Interface Guidelines?

**So are PWAs ready to take  
over the world?**

**Thank you!**

# Resources

1. The Case for Progressive Web Apps by Jason Grigsby - An Event Apart: [video](#)
2. Progressive Web Apps book by Jason Grigsby: [excerpt](#)
3. The offline cookbook by Jake Archibald: [article](#)
4. Client-side full-text search: [article](#), [Elasticlunr](#), [Fuse.js](#)
5. PWAs on iOS: [article](#)
6. All powerful front-end developer talk by Chris Coyier, JAMStack: [video](#)
7. Why “Progressive Web Apps vs. native” is the wrong question to ask by Dan Dascalescu: [article](#)
8. Progressive Web Apps simply make sense by Jason Grigsby: [article](#)