



15 July 2019

PROGRESSIVE WEB APPLICATIONS

Lift Off Presentation

The background image shows a dimly lit interior space, possibly a cafe or a meeting room. Large, multi-paned windows are visible on the left and right sides. In the foreground, several people are seated at wooden tables, engaged in conversation or work. A man is visible on the right, and two women are on the left. The overall atmosphere is quiet and professional. A large blue rectangle is overlaid in the center, containing the text.

WHAT ARE THEY



What are PWAs

JUST A WEB APP

PWAs are regular web applications written with common modern web technologies. Angular, React, Vue and more. No need to hire PWA specific developers to create and maintain PWAs

INSTALLABLE

Unlike regular web apps. PWAs can be installed in your browser, on your desktop, or on your Android or iOS device.

WORK OFFLINE

Thanks to service workers PWAs can do some task when the connection is slow and when there is no internet at all. They can even save tasks in progress so they can be executed when they reconnect to the internet.



The background image shows a large, open-plan room with high ceilings and large, multi-paned windows. The room appears to be a workspace or a common area. In the foreground, several people are seated at long wooden tables, working on laptops and papers. The lighting is soft and ambient, with some light coming from the windows. A blue rectangular overlay is positioned in the center of the image, containing the text.

**WHAT ARE THEY
GOOD FOR?**

WHAT ARE THEY GOOD FOR

Anything you would build a web app for!

Each of these apps has a different purpose but they are all PWAs.
Because again they are all just web apps with a few extras behind the scenes.



CROSS PLATFORM SUPPORT

Cross platform support doesn't just lower development cost it also allows you to reach a huge audience including people without traditional PCs or smart phones.

1 Web Browsers

- Edge, Chrome, Firefox, and others
- Chromium Edge offers further support

2 Chrome Books

- Schools often have chrome books
- The only other option is chrome extensions

3 App Stores

- Android and Apple App Store
- You can also skip the app store and install straight from your site.

4 Desktops

- No need
- Consectetur adipiscing elit



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A FEW MORE POINTS

SOME COMMON MYTHS

Progressive web applications have changed a lot as browser support for them has increased.

You can easily build them using Angular CLI and Create-React-App the most common ways of building those types of projects and as you've seen already lots of companies use them.

1 They are slow

First, JavaScript can be pretty fast. Additionally if you need more speed or things like intense graphics there are tools that allow you to utilize CPUs and even GPUs to get a bit more power.

2 They are hard to get to

Actually they are probably easier to get to if programmed correctly. Simply go to their website or put them in the app store of your choice.

3 You can't access devices

Bluetooth, GPS, Camera, Accelerometer, push notifications etc. Almost anything you need you can do from a progressive web app.

4 No one really uses them

As we've seen plenty of companies use them for apps you've all heard of. Additionally Microsoft, Google, and Mozilla are all putting a lot of work into the platform. They probably aren't going anywhere for some time.



The background image shows a dimly lit interior space, possibly a cafe or a meeting room. On the left, there are large, multi-paned windows. In the foreground, several people are seated at wooden tables, some looking at laptops. The ceiling features exposed ductwork and hanging lights. A blue rectangular box is centered over the image, containing the text "LETS LOOK AT ONE".

LETS LOOK AT ONE

HAVE SOME CODE

CARE TO START PLAYING WITH REACT AND PWAS? HERE IS THE CODE

I really like react so that's what I use for my personal projects. This is a link where you will find the documentation for starting React, Git, and a PWA tutorial.

If you aren't a coder or don't care to be there are still some resources for citations if you need them and this PowerPoint will be there as well. As both a powerpoint and pdf



Thank you for your time and good luck!



THANK YOU

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