
Progressive Web App Conversion in 5 Minutes

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This presentation was literally written in the hotel lobby while bantering with coworkers

This is not a frontend web talk

I am not a frontend engineer

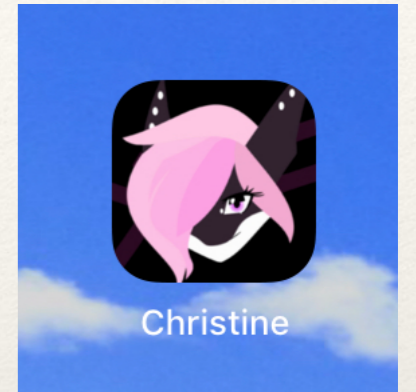
This is what works for me **TM**

Progressive Web App

- ❖ Between normal apps and browser tabs
- ❖ Isolated to a single subpath of a URL (scope)
- ❖ Separate state per app
- ❖ Installed with the browser
- ❖ Acts like normal apps on the home screen
 - ❖ On Android it acts as a URL intent listener

Manifest

Used by the OS for application metadata



```
{
  "name": "Christine Dodrill",
  "short_name": "Christine",
  "theme_color": "#ffcbe4",
  "background_color": "#fa99ca",
  "display": "standalone",
  "scope": "/",
  "start_url": "https://christine.website/",
  "description": "Blog and Resume for Christine Dodrill",
  "orientation": "any",
  "icons": [
    {
      "src": "https://christine.website/static/img/avatar.png",
      "sizes": "1024x1024"
    }
  ]
}
```

Service Worker

- ❖ Too long to paste inline here, click here: <https://christine.website/sw.js>
- ❖ Customize line 12
- ❖ Must be served from scope



Loading Manifest and Service Worker

❖ In your base.html template

```
<link rel="manifest" href="/static/manifest.json" />
```

❖ At the end of your <body> tag:

```
<script>
  if (!navigator.serviceWorker.controller) {
    navigator.serviceWorker.register("/sw.js").then(function(reg) {
      console.log("Service worker registered for scope: " + reg.scope);
    });
  }
</script>
```

Live Demo

Questions?

*The engineering blogpost version of this talk
is currently being edited by the team for that.*