<https://www.opus-software.com.br/o-que-e-pwa/>

<https://computerworld.com.br/2018/10/22/pwa-por-que-microsoft-e-google-estao-apostando-em-progressive-web-app/>

<https://developers.google.com/web/progressive-web-apps/>

<https://vizir.com.br/2017/08/o-que-e-pwa-progressive-web-app-porque-isso-pode-aumentar-seus-resultados-mobile/>

<https://pplware.sapo.pt/software/pwa-mudarao-forma-usamos-dispositivos/>

<https://braziljs.org/blog/grandes-usos-de-pwas/>

<https://blog.minnisell.com/mas-afinal-de-contas-o-que-%C3%A9-um-progressive-web-app-8cd727a8fe46>

<https://pt.goodbarber.com/pwa/technology/>

<https://meunegocio.uol.com.br/academia/tecnologia/pwa-progressive-web-apps--transforme-seu-site-em-um-app.html#rmcl>

<https://usemobile.com.br/aplicativo-pwa-nativo/>

<https://www.meioemensagem.com.br/home/opiniao/2017/03/01/o-pwa-e-a-morte-dos-aplicativos.html>

<https://dev.to/jfet97/the-shortest-way-to-conditional-insert-properties-into-an-object-literal-4ag7>

<http://www.scitepress.org/Papers/2017/63537/63537.pdf>

<https://aisel.aisnet.org/hicss-51/st/mobile_app_development/7/>