Building Realtime VR on the web

Frontend-Connect 2017



Hi!I'm Srushtika

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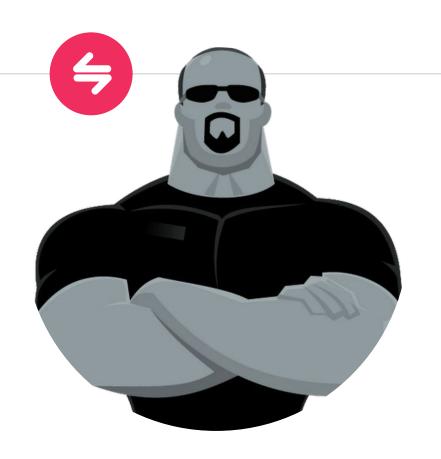






Virtual Reality means tricking your brain into believing something that's not. even. real.!





Gatekeepers





Installs

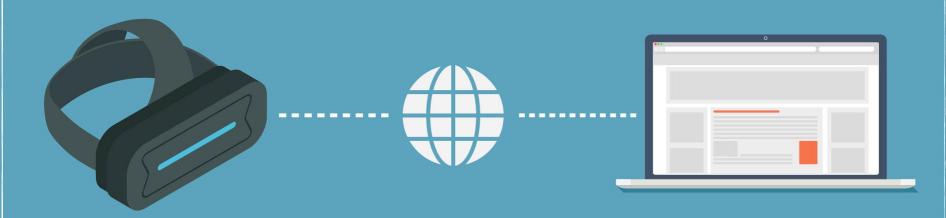


Closed

Solution?



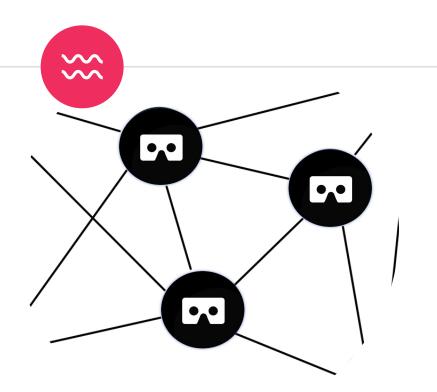
WEBVR



An open Virtual Reality platform with the advantages of the WEB



Open



Connected



Instant

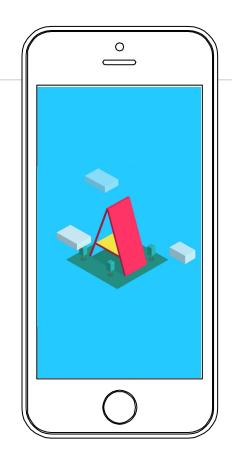
```
:hover{
        color:#fff:
           IMPORT WEBVR POLYFILL
                                                          SET UP CAMERA
        width:35
                  SET UP LIGHTS
                                                     INITIALIZE SCENE
        height:35
38
39
                          DECLARE AND PASS CANVAS
42
                                               t=Touch%20the%
                                                          INSTALL VR EFFECT
          LISTEN TO WINDOW RESIZE
                                               rl≡http://cabb
         href="http://webvr.info/">WEBVR<//>></
         href="http://cabbi.bo/">CABBIBO</>></
                                          [ON</>>
                                                     CREATE RENDER LOOP
50
           INSTANTIATE RENDER
51
52
           src = "lib/leap.min.js"
                                        ></
           src = "lib/three.min.js"
                                        ×/
                                          FIGURE OUT RESPONSIVENESS
       PRELOAD ASSETS
                              ols.js"
                "lib/SubdivisionModifier.is"
           src = "li
                     DEAL WITH META TAGS AND MOBILE
           src = "1
           src = "lib/VRControls.is"
```

HARL Wheelest and a deal



Hello A-Frame!

A-Frame is a web framework for building virtual reality (VR) experiences. As originators of WebVR, the Mozilla VR team developed A-Frame to be the easiest as well as the most powerful way to develop WebVR content.



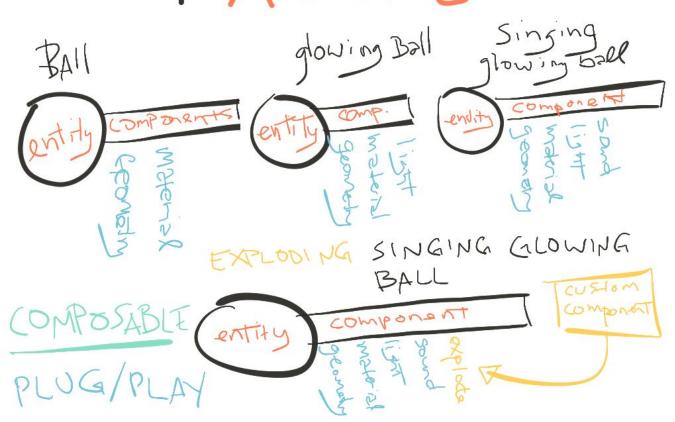
How does it work?

<html>

```
<script src="https://aframe.io/releases/0.3.2/aframe.min.js"></script>
<a-scene>
    <a-box color="#4CC3D9" position="-1 0.5 -3" rotation="0 45 0"></a-box>
    <a-cylinder color="#FFC65D" position="1 0.75-3" radius="0.5" height="1.5">
    </a-cylinder>
    <a-sphere color="#EF2D5E" position="0 1.25 -5" radius="1.25"></a-sphere>
    <a-plane color="#7BC8A4" position="0 0 -4" rotation="-90 0 0" width="4"
    height="4"></a-plane>
    <a-sky color="#ECECEC"></a-sky>
</a-scene>
```

</html>

IN A-FRAME



Virtual Reality

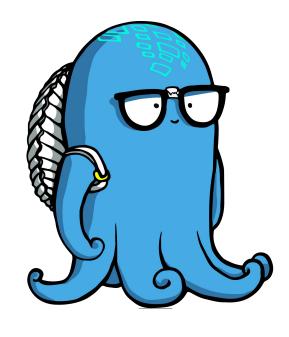
Virtual Reality on the web

Virtual Reality on the web

Now let's make it realtime



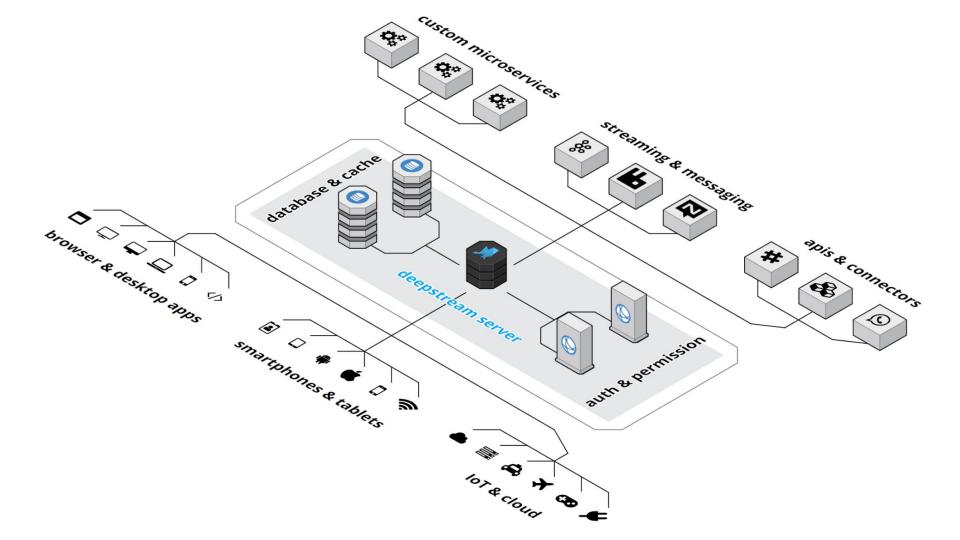
goo.gl/6ecwid



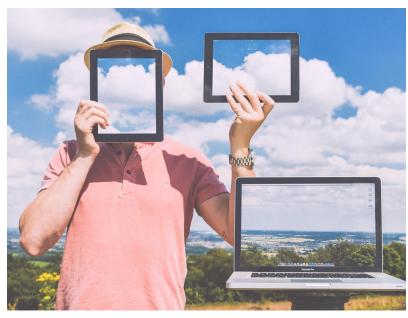
deepstream.io

- Records
- Events
- RPCs
- Presence











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That's all folks! Thankyou.

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