CSS Frameworks and You:

A guide to integrating responsive frameworks
into your React projects

Mario Altagracia Jimenez

About me

- Been attending meetup groups for years. Decide to contribute

- Former Software Engineer at Socially Elite Pro

- Volunteer Software Engineer for Austin Public Library. Formally volunteered for Open Austin

- Sometimes build SaaS and online businesses - APIplaza.co | petwarezinc.com

- Tech blogger: https://medium.com/@7adam7e

- Sometimes create music. Sometimes do photography

What the presentation is about:

- CSS frameworks. What are they all about?

- How you can use them in most of your projects?

- Multiple CSS frameworks at use by different websites and companies

- Getting you into using a framework via a step by step sample project

What I hope that you get from this presentation

- Improve your Front-End Development

- Enhance your communication with your UI/UX Designer, Product Managers, etc, about webpage elements

- Attract more users, traffic, or sales to your service using some of the frameworks

- Improve the UI/UX design and visual interactivity of your website, app, project, SaaS, etc

- Stop spending a lot of time center aligning website elements

What are CSS frameworks?

- Ready to use code rules and parameters used for Front-End Dev Work

- Comes with its own styling, layouts, and font styling for each text element

- Lets you easily create responsive grids, forms, buttons, and other elements for a website

- Provides consistent styling for your Front-End Dev work

- Great for adding responsive design, grids and mobile friendly CSS parameters to your project

Where you can implement new frameworks:

- Small web applications

- Legacy apps

- Progressive Web Applications

- SaaS

- Sales pages / landing pages

- Personal websites or client sites

- Codebases with separate CSS libraries referenced
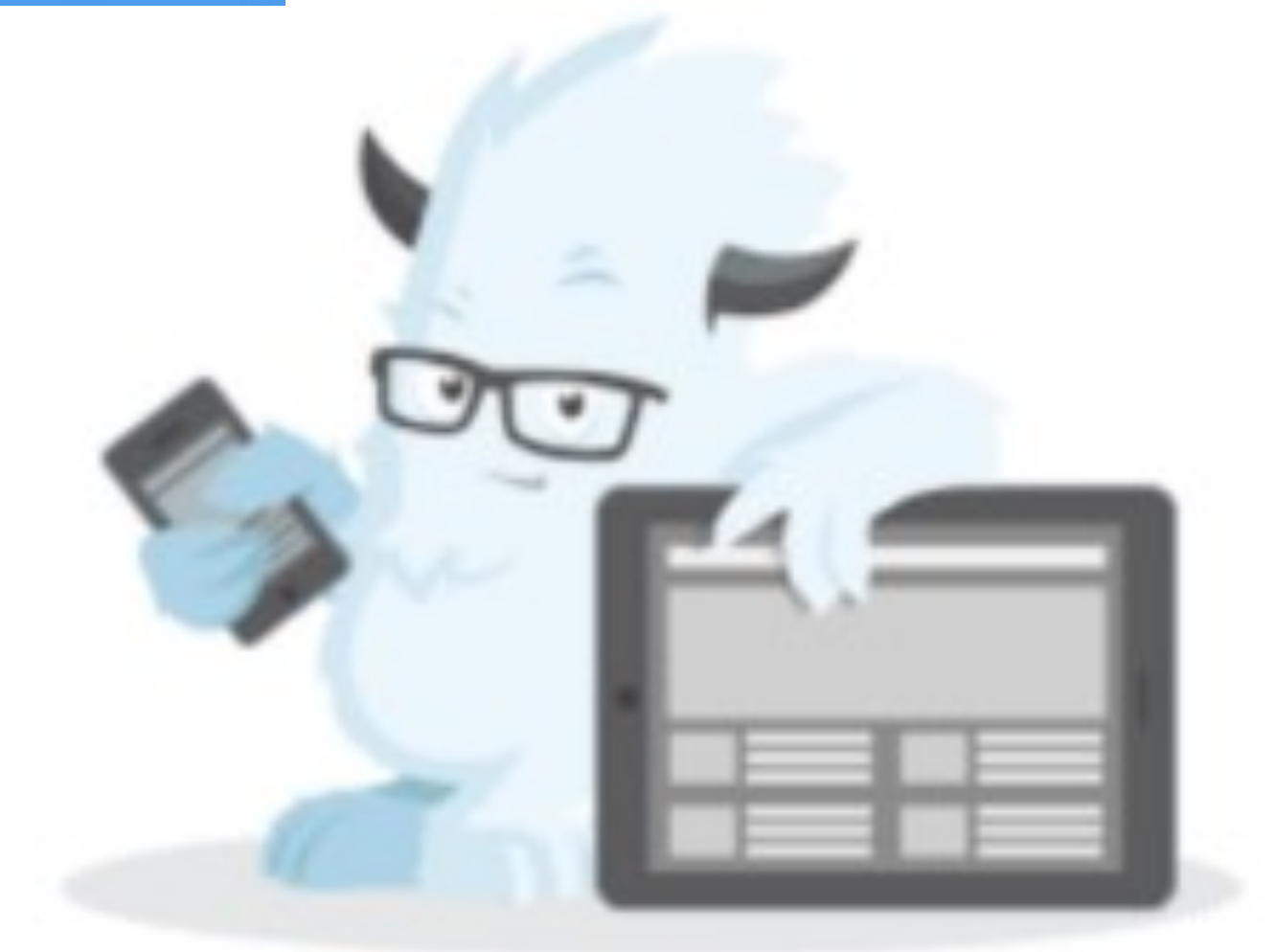
Pros of using frameworks

- Extremely small libraries. Some take only **2 kilobytes** of data to install (skeleton.css)

- Cut down Dev time

- Ease up testing and user experiences on multiple platforms (smartphones, desktops, tablets, etc)

- Easy to update and change each framework

- They work on any type of JS/React/JS framework project. Dev stack agnostic

- Free to use, try and install the majority of frameworks

- Framework documentation and guides are always available

Cons of CSS Frameworks

- CSS that's already installed in projects loses priority

- Sometimes rigid for Front-End Development. The CSS rules that the framework become the main rules

- It can turn into a mess of code if you don't take good care of your codebase and organize everything

A few sample frameworks
There's many options to choose from:

A few companies and companies that use CSS frameworks:

- **Bootstrap:** Mastercard, Spotify, LinkedIn, Twitter, Duolingo, Udemy, Robinhood

- **Tailwind:** Shopify, Medium,

- **Bulma:** Fujitsu, Infosys, University of California, Berkley

- **Skeleton:** The Range, WikiTree

- **Foundation:** Barclays Bank, Pixar, Mini Cooper

Frameworks are all available on npm.js

Free and easy to install on any React project

Some example websites and components from some of the frameworks

- https://bulma.io/expo/

- https://icons.getbootstrap.com/

- http://getskeleton.com/examples/landing/

- https://mui.com/material-ui/getting-started/templates/

- https://tailwindui.com/components?utm_medium=navigation&utm_source=tailwindcss

Demo project

- URL: https://github.com/tjdev7/reactatx-css-frameworks-samples

- GitHub Commands:

- https://github.com/tjdev7/reactatx-css-frameworks-samples.git

- Git clone git@github.com:tjdev7/reactatx-css-frameworks-samples.git

- gh repo clone tjdev7/reactatx-css-frameworks-samples

- Shortened URL: https://bit.ly/4OLi9rz

My small advice

- Read the documentation. Follow the walkthrough guides before doing anything

- Don't rush development. You will get a messed up codebase if you do

- Use a separate Git branch / container / directory to test things out

- Experiment, then test everything on all test mediums before pushing to main/master. Take a few minutes off before making the push with fresh eyes

- If a mistake ever happens, just revert the recent push

Conclusion

- I created this presentation with the hope that it helps you, the attendee improve your Dev cycle. And to help people in your company, group, stealth company, etc.

- I really do hope my presentation helped you out in any way

- Reach out to me if you need help. I can answer whenever I'm available via email or LinkedIn page.

- Hope you liked it

- Hope it helped you out personally

- Hope that you make some great work with it

Reach out to me:

- Github: https://github.com/tjdev7/

- Website: https://tjdev7.co/

- Twitter/X: https://twitter.com/Tjdev7

- LinkedIn: https://www.linkedin.com/in/mariojimenez1/

- Medium: https://medium.com/@7adam7e

Additional resources

- https://mui.com/

- https://getbootstrap.com/

- https://tailwindcss.com/

- https://get.foundation/

- https://bulma.io/

- http://getskeleton.com/

- https://getuikit.com/

- https://stackshare.io/tailwind-css

Npm links

- https://www.npmjs.com/package/bootstrap

- https://www.npmjs.com/package/tailwindcss

- https://www.npmjs.com/package/uikit

- https://www.npmjs.com/package/bulma

- https://www.npmjs.com/package/@mui/material