

ReactJS Challenge - Build a Visual coding environment

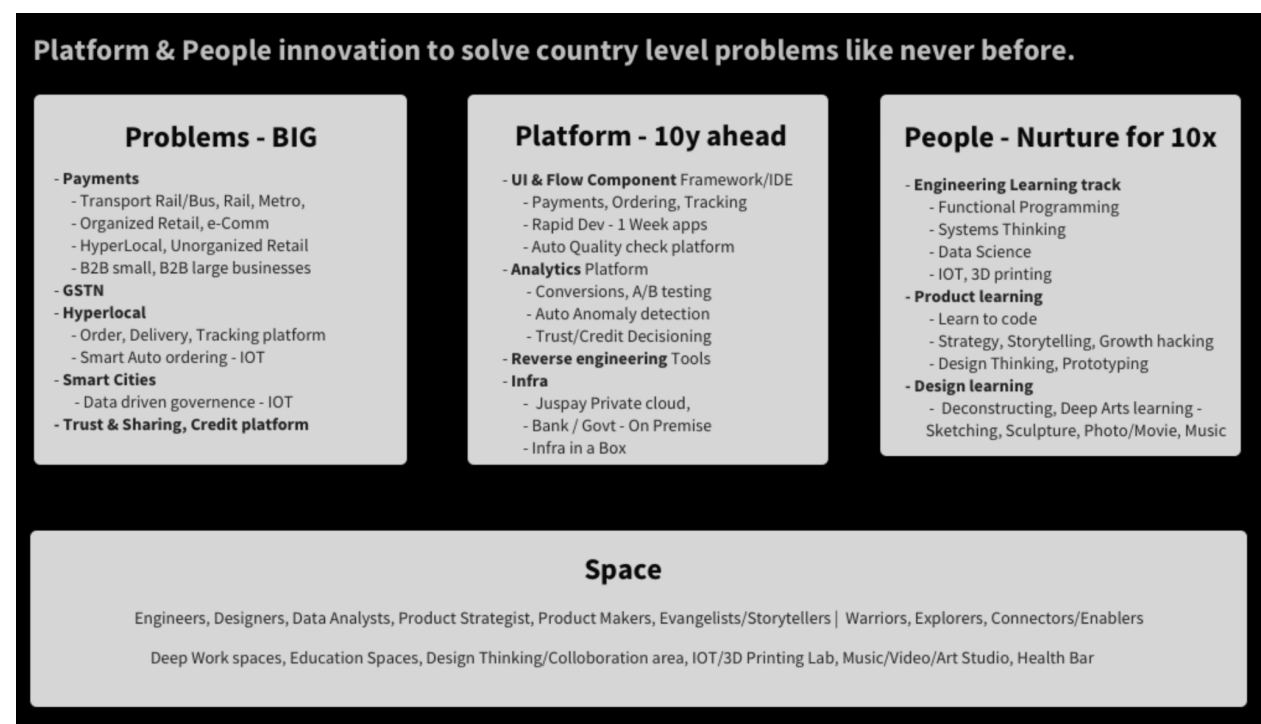
Looking for expert ReactJS developers with a sense of aesthetics!

About Juspay:

Our vision is to enable the billion people in India with frictionless payments experience & extend it with the right credit offerings. We power the payments experiences for 100M+ and have 200M+ SDK installs across top mobile apps in India.

In addition to our primary business, we contribute to the ecosystem by participating in early system design, protocol creation & reference implementations for country level initiatives. Examples are - building the core components of UPI, the BHIM app, protocol creation for OCEN (open credit enablement network) and Beckn (an open hyperlocal commerce platform).

To do this, our people need to be 10X effective. Such a culture is in the air. Freshers create frameworks to solve these big problems. Our framework Presto is a small size react native equivalent. We have fully embraced functional programming which is the new trend that is taking over the world.



Why React:

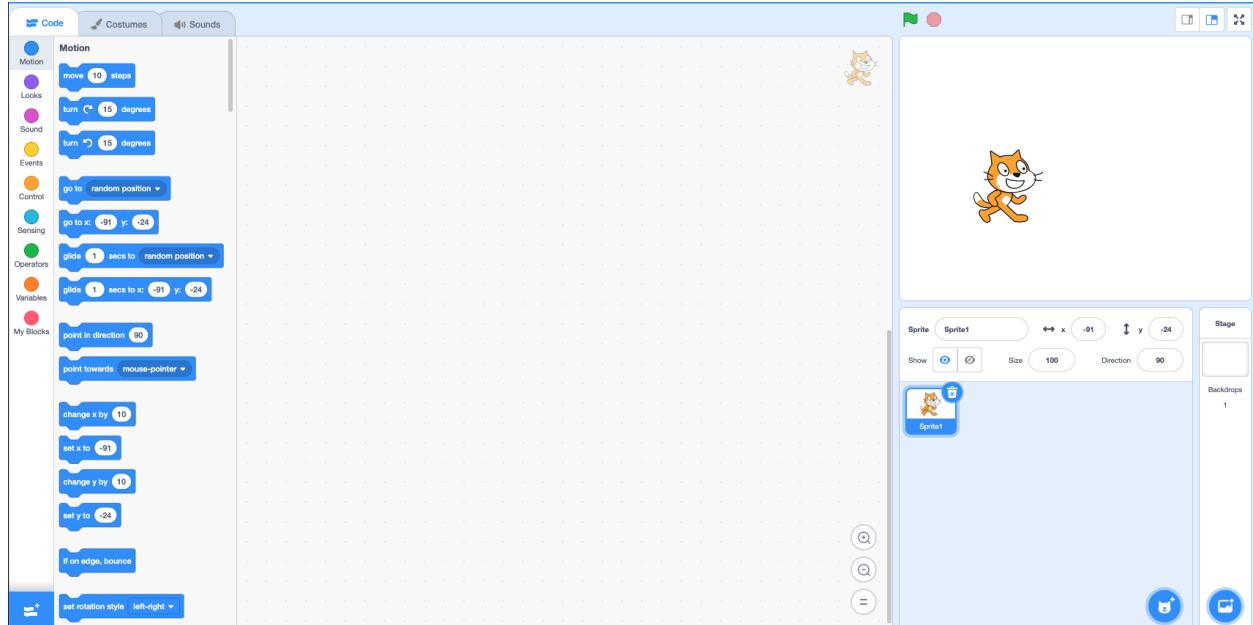
React has been inspired by functional programming aficionados, who brought those good practices to the Javascript ecosystem. In fact, the react's creator Jordan Walke talks about how deeper FP technologies like ReScript is going to help react further
https://www.youtube.com/watch?v=5fG_lyNuEAW

We see React + FP as a way to build **complex operations dashboards, immersive data visualisation and creation/configuration tools** to be used by our customers, product managers, and business operations teams. These dashboards should be highly interactive, highly usable for repeat use cases & should facilitate frequent switching across desktop and mobile seamlessly.

About the challenge:

Build a visual code editor for Javascript that is similar to MIT Scratch

<https://scratch.mit.edu/projects/editor/>



You can complete the challenge by building the following features

1. Build the 4 categories of blocks 'Motion', 'Looks', 'Control' and 'Events' and the corresponding functionalities (All dragdrop functionalities as reflected in the Scratch app should be covered)
2. Add support for creating multiple 'Sprites' and make actions from Feature 1 available for multiple 'Sprites'

Note:

- The Costume, Sound tabs are not needed
- The Sprite, Stage sections are not needed
- use [ReScript React](#) if possible. Otherwise Javascript/Typescript is also ok
- Use [TailwindCSS](#) if possible.

Project Setup

A sample base project has been created for you to build the features on top of that. Follow the below instructions to setup and get started

1. Go to the below link and clone the repo
<https://bitbucket.org/shiva-nandan/scratch-starter-project/src/master/>
2. Run `npm i` to install dependencies
3. Run `npm start` and open `http://localhost:3000` to see the app

