



Master

React Part 1

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ekino.

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Presentation

01.



Quentin SOMAZZI

Php engineer

Php engineer at Ekino since 2014.

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Education

- Licence Web Developer
- Master Cloud Computing and Mobility

My clients

- Canal +
- Volkswagen
- Audi

Gitlab

02.

Gitlab

Organize our work



Work process

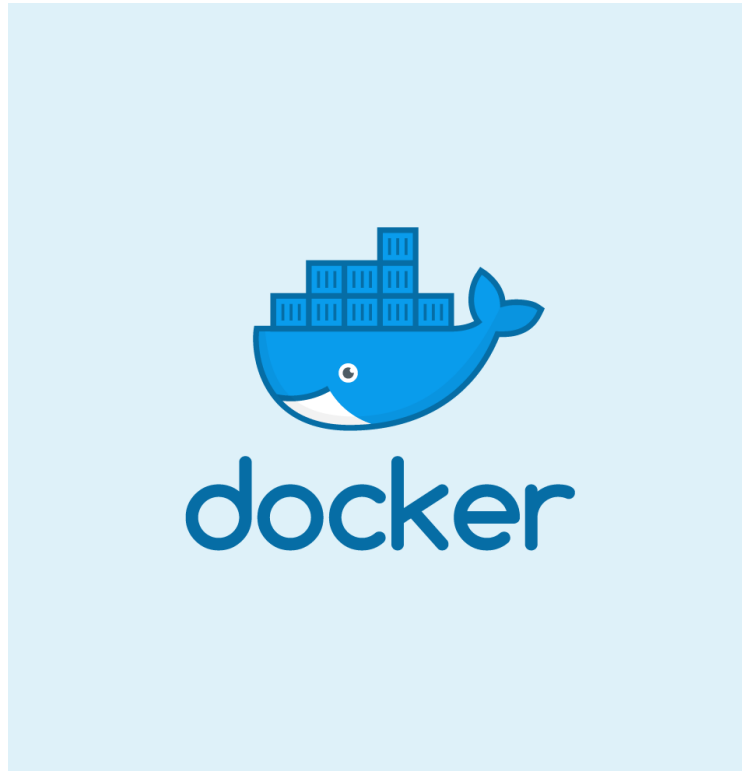
- Merges Requests
 - Code review
- Coding style
 - eslint, ...
- Branches
 - develop
 - valid
 - master

Docker

03.

Docker

Dev env ready to go



<https://gitlab.com/qsomazzi/react-master>

- Dockerfile
- Makefile
- Node
- npm

Webpack

04.

Webpack

Module bundler



Javascript

- packages.json
- webpack.config.js
- Babel
- ES6
- SCSS
- watch
- hot reload
- environment

React

05.

React.Component

Module React is a declarative, efficient, and flexible JavaScript library for building user interfaces. It lets you compose complex UIs from small and isolated pieces of code called “components”.

```
class MoviesList extends React.Component {  
  render() {  
    return (  
      <div className="movies-list">  
        <h1>Films to {this.props.type}</h1>  
        <ul>  
          <li>Gladiator</li>  
          <li>Star Wars</li>  
          <li>E.T.</li>  
        </ul>  
      </div>  
    );  
  }  
}  
  
// Example usage: <MoviesList type="watch" />
```

React.Component

Making an Interactive Component



```
class MovieItem extends React.Component {  
  render() {  
    return (  
      <li className="item" onClick={() => alert('click')}>  
        {this.props.value}  
      </li>  
    );  
  }  
}
```

React.Component

Statefull / Stateless



```
class MovieItem extends React.Component {
  constructor(props) {
    super(props);
    this.state = {
      value: props.value,
    };
  }

  render() {
    return (
      <li onClick={() => this.setState({value: 'X'})}>
        {this.state.value}
      </li>
    );
  }
}
```

First App

06.

Todo

Task management

First app

- Init project
- Webpack
- Create the « Todo App »
 - Create Lists
 - In each list we got items (label, status)
 - If we click on a list : display items
 - If we click on an item : update status
 - Add (or remove) a list / item

To go further

- Store data in localStorage
- Improve design
- Build and deploy



**Thank you,
for your
attention.**
Any questions?

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