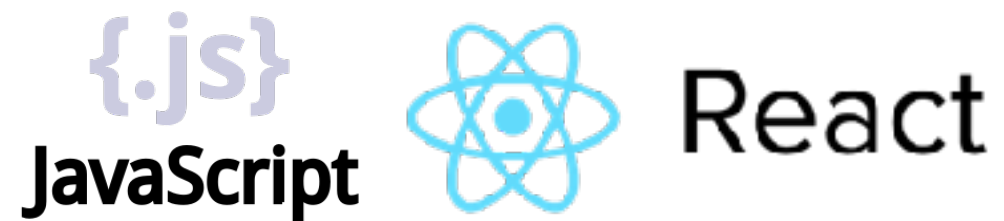


Deploy ReactJS into Production

BugisDev TechTalk #1
Kampus II UIN Alauddin



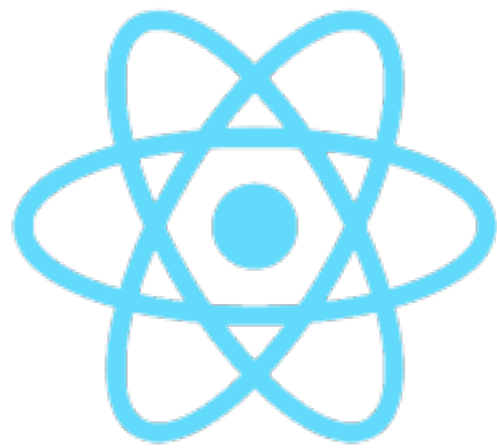
Ady Rahmat MA

- Programmer since 2009
- CEO at Valutac. Full time superheroes
- Founder BugisDev
- Founder Linux Phinisi
- Former CTO at Steelytoe
- Been through as Programmer, Network Engineer, Sysadmin.
- <https://github.com/ngurajeka/>
- <https://id.linkedin.com/in/ngurajeka>
- <https://ngurajeka.com>



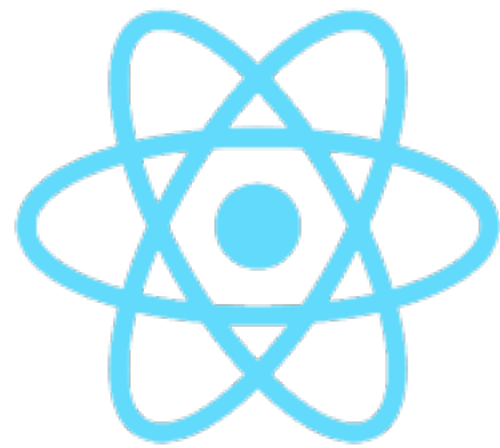
Agenda

- Get to know about ReactJS
- Building ReactJS Application
- Deploy to heroku/aws
- Logging with Sentry



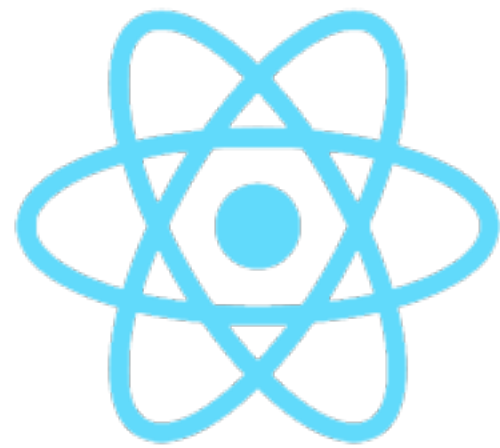
React

- Created by Facebook
- Rapid Prototyping
- Easy to use, to learn, to deploy
- Open Source (MIT License for React ^16)
- Large Community
- Facebook Developer Circle



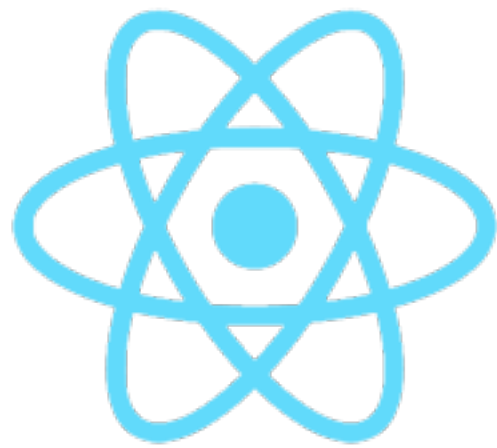
React

- First Deployed to Production on Facebook's newsfeed 2011
- [instagram.com](https://www.instagram.com) 2012
- Open Sourced at JSConf US, May 2013



React

- Javascript Framework
- Component Based Framework
- View Only
- More like a vanilla Javascript
- ES6 Compatible by Default



React

```
<App />
```

```
<MenuBar />
```

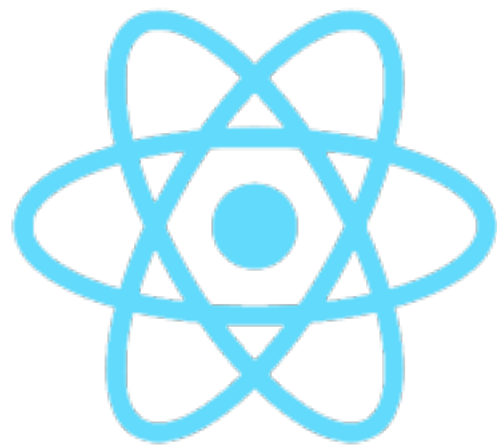
```
<MainPage />
```

```
<ListItem />
```

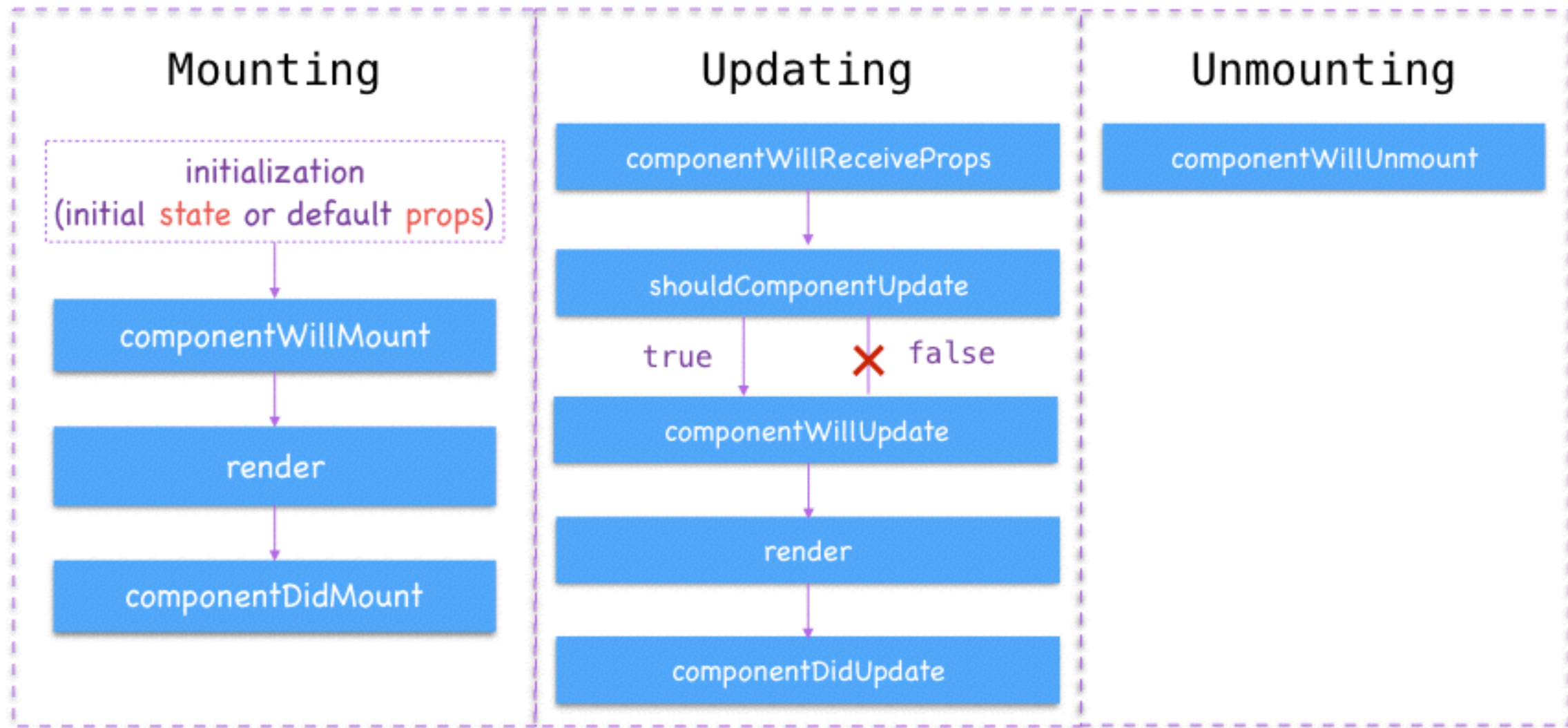
```
<ListItem />
```

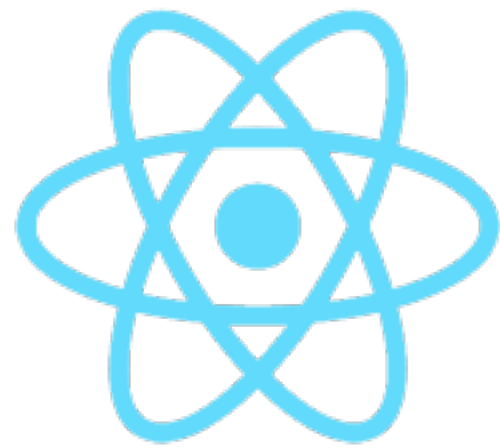
```
<ListItem />
```

```
<SiteFooter />
```



React





React

- State, Props and Events
- Stateless and Statefull Components
- Component LifeCycle
- Model with Redux (Optional)

State, Props, Events

- State used to store data that we can use to control our component
- Props is parameters that send to a Component, it is a read only data. To change the data we need a callback through some event
- Event(s), when you click a button, when you type a text in an input text, etc

Stateful Component

- Define with class
- Re-defined constructor with state
- Has state

Stateful Component

```
2
3 export default class Event extends React.Component {
4
5   constructor(props) {
6     super(props);
7     this.state = {
8       data: [{
9         name: 'TECHTALK #1',
10        date: 'Saturday, October 14, 2017',
11        time: '10:00 AM',
12        location: 'Kampus II UIN Alauddin',
13        rsvp: 127,
14      }, {
15        name: 'TECHTALK #2',
16        date: 'Saturday, December 16, 2017',
17        time: '10:00 AM',
18      }],
19    };
20  }
21
22  render() {
23    return (
24      <div id="banner" className="page-header">
25        <div className="row">
26          <div className="col-md-12">
27            {this.state.data.map(event => (
28              <div className="row">
29                <div className="col-md-12">
30                  <h1>{event.name}</h1>
31                  <h2>{event.date}<br/><small>{event.time}</small></h2>
32                  {event.location} &
33                  <p>at {event.location}. {event.rsvp} peoples will come.</p>
34                </div>
35              </div>
36            </div>
37          </div>
38        </div>
39      </div>
40    );
41  }
42 }
```

Stateless Component

- Define with Constant
- Has no logical events
- All events usually came as parameters (props)

Stateless Component

```
2 import { Link } from 'react-router';
3
4 const menu = [{
5   link: '/home',
6   label: 'Home',
7 }, {
8   link: '/event',
9   label: 'Event',
10 }];
11
12 const Menu = (props) => (
13   <ul className="nav navbar-nav">
14     {menu.map(item => (
15       <li><Link to={item.link} className="mdl-navigation__link">{item.label}</Link></li>
16     ))}
17   </ul>
18 );
```

A Little Demo

Q/A

Thank You



We are Hiring!!!