

WEBINAR

Save Time Building Chat with PubNub
React Native Chat Components

PubNub

SPEAKERS



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AGENDA

- 1 PUBNUB INTRO
- 2 WHEN AND WHY TO USE REACT NATIVE
- 3 PUBNUB CHAT COMPONENTS FOR REACT NATIVE
- 4 DEMO: HOW TO INTEGRATE CHAT INTO A REACT NATIVE APP
- 5 Q&A



PUBNUB INTRO

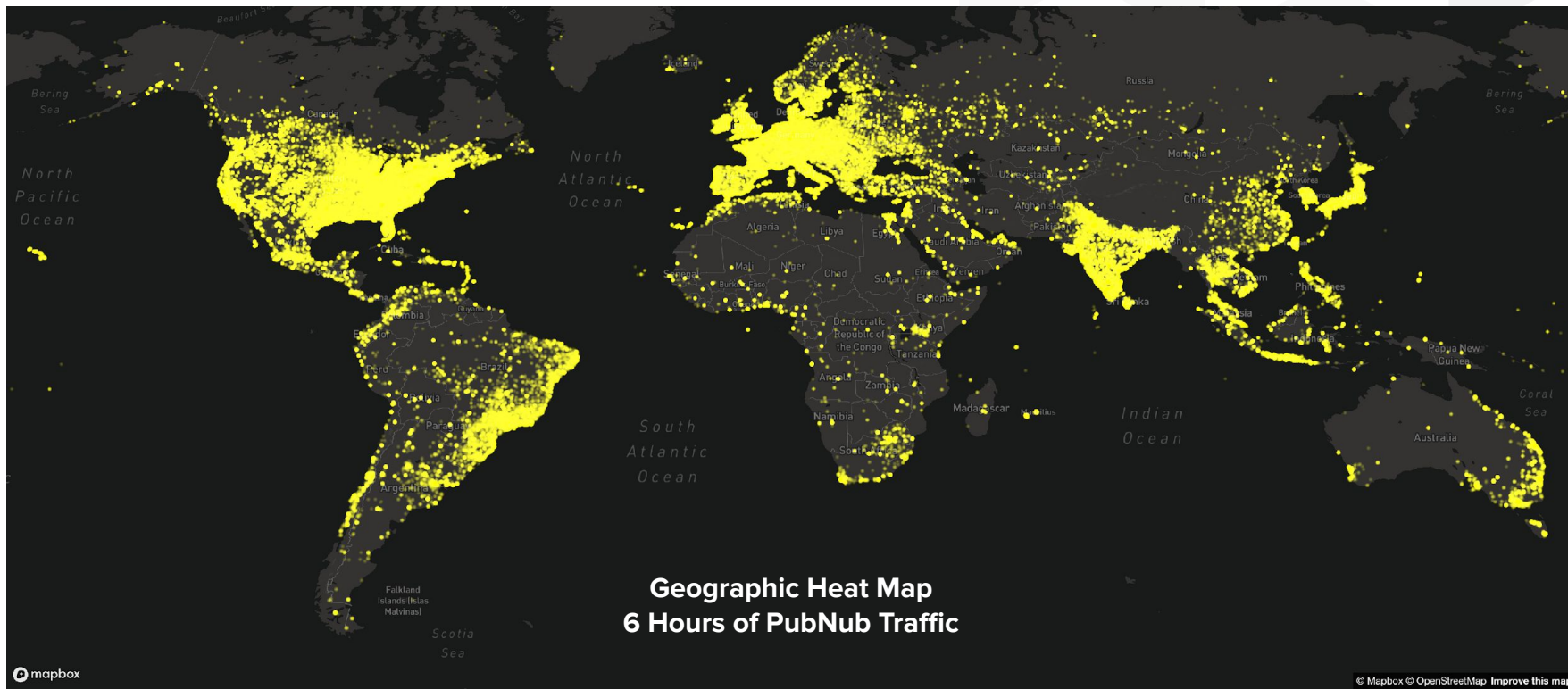
PubNub

- Chat
- Live Audience Engagement
- Multi-User Collaboration
- IoT Device Management
- Data Streaming
- Geolocation Tracking
- And more...

APIs, 50+ SDKs and Solution Kits.



PUBNUB GLOBAL REAL-TIME NETWORK



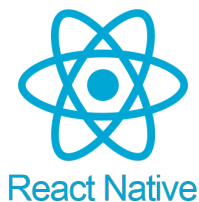
OVER 2000 BRANDS WORLDWIDE CHOSE PUBNUB





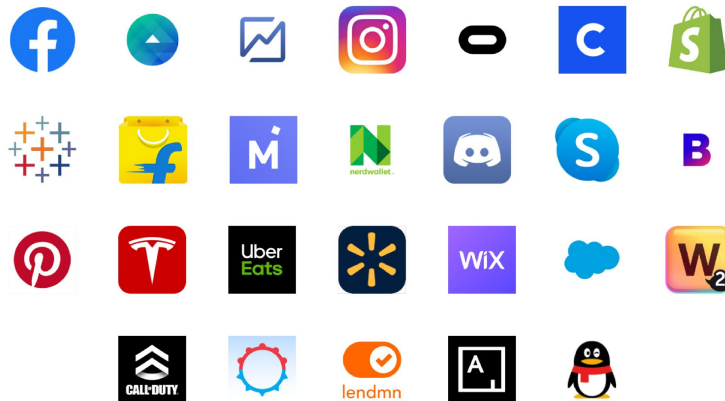
WHEN AND WHY TO USE REACT NATIVE

WHAT IS REACT NATIVE?



React Native is an open-source **framework** that allows you to build cross-platform **mobile apps** using **JavaScript**

Popular apps built with React Native



WHEN AND WHY TO USE REACT NATIVE?

REACT NATIVE

- Faster time to market
- Lower development costs
- Easier long-term maintenance

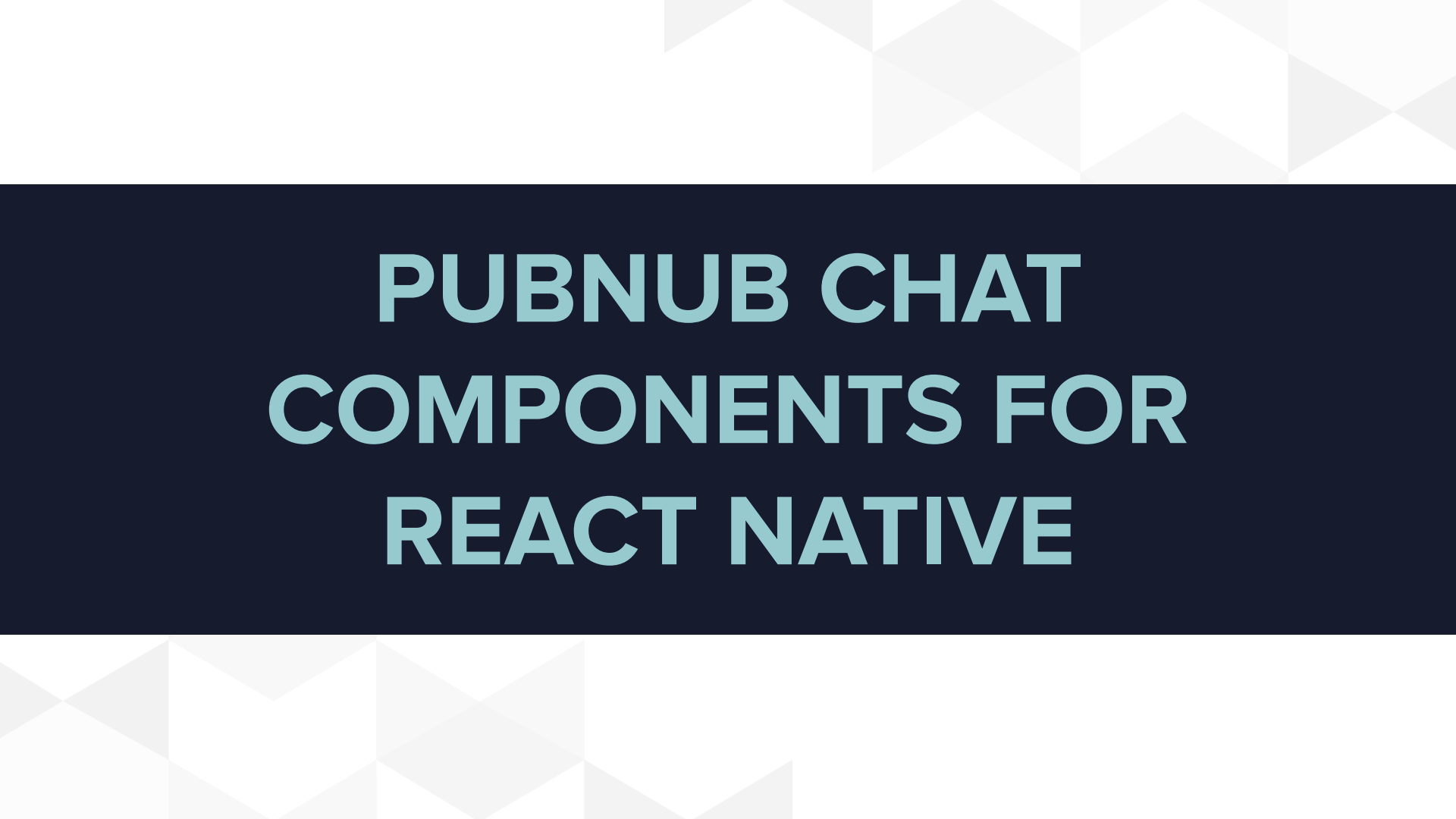


VS.

NATIVE APPS

- Higher performance
- Smaller app size
- Lower vendor risk (not relying on Facebook)





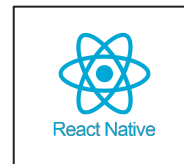
PUBNUB CHAT COMPONENTS FOR REACT NATIVE

PUBNUB CHAT COMPONENTS

Current offering of Chat UI Components



Web



NEW

Mobile

WHAT ARE CHAT COMPONENTS?

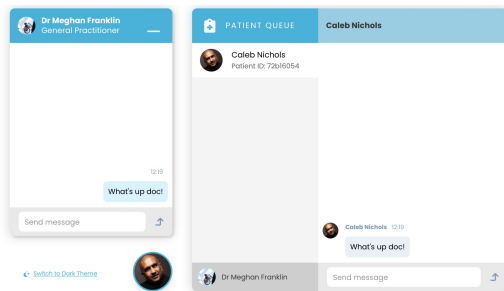
Chat Components are pre-built **UI components** for **developers** to create **custom chat experiences** within web and mobile apps

Sample source code for React

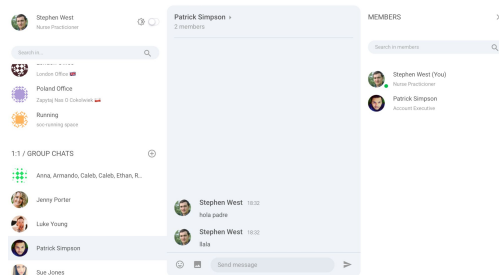
```
import React from "react";
import { Chat, MessageList, MessageInput, useUser,
usePresence } from "pubnub-chat-components";

const MyComponent = () => {
  return (
    <PubNubProvider client={pubnub}>
      <Chat {...{ channel, theme }}>
        <MessageList>
          <MessageInput>
        </Chat>
      </PubNub>
    );
  };
};
```

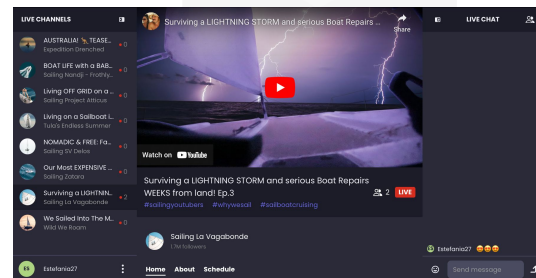
USE CASES



Direct chat
(e.g. doctor-patient chat)



Group chat
(e.g. Multiplayer game chat)



High-volume chat
(e.g. live streaming chat)

KEY BENEFITS



Reduced development time

Get chat up and running — and to market — faster thanks to the pre-built UI components



Chat Components handle the infrastructure

Focus on your core product without having to worry about scalability or latency issues



The power of PubNub platform

Use PubNub for other real-time features to create a truly unique interactive experience for your users

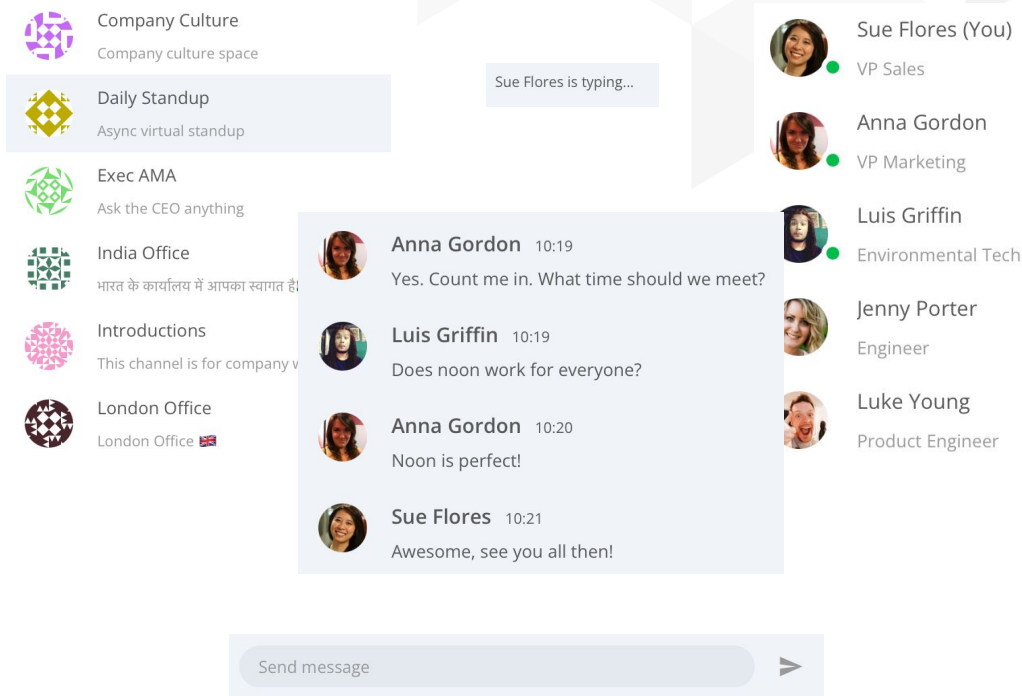
FEATURES

UI Components

- Message input
- Message list
- Channel list
- Member list
- Typing indicator

Features

- Sending/receiving messages
- Message history
- Typing indicator
- Online/Offline presence
- And more...



CUSTOMIZATION

- Various component options (e.g. turning features on/off)
- Possibility to override the built-in light and dark themes
- Custom renderers
- Set of hooks

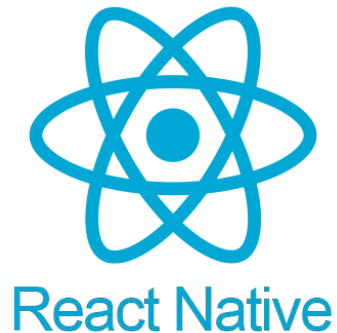




DEMO: HOW TO INTEGRATE CHAT INTO A REACT NATIVE APP

DEMO

- Create a blank Expo app from the default template (standard RN apps are also supported)
- Render chat in its own view (optional)
- Add Required Modules & dependencies for:
MessageList, MessageInput
- Add User ID
- Add Objects to define Users
- Add Properties and Events to Chat Components
- Add new Module: **TypingIndicator**
- <https://www.youtube.com/watch?v=btSTcYvU4bY>





Save Time Building Mobile Chat with PubNub React Native Chat Components

PubNub



Q&A



THANK YOU!

To try our new React Native Chat Components head over to the documentation:

<https://www.pubnub.com/docs/chat/components/react-native>

Or check out our Simple Chat tutorial:

<https://www.pubnub.com/tutorials/simple-chat-app-react-native/>

PubNub