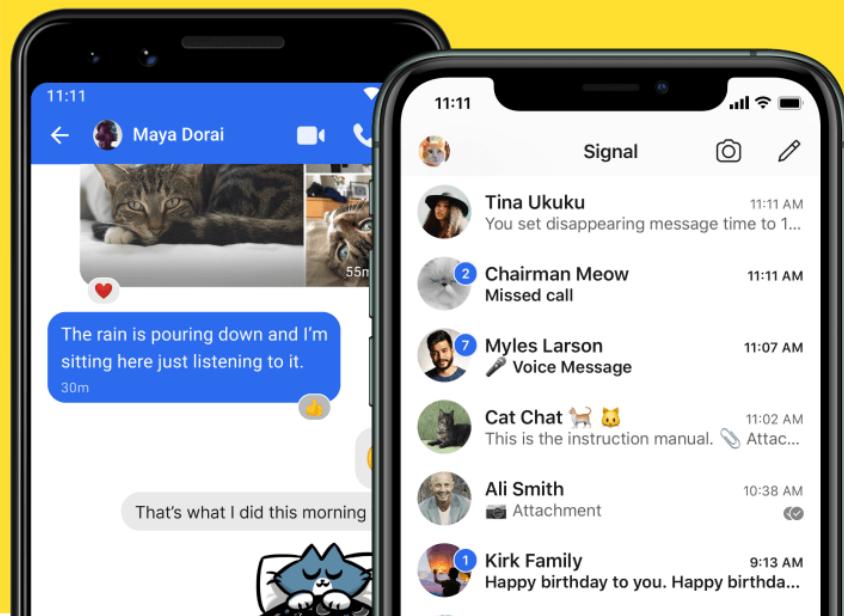


notJust

//development



Signal Clone

React Native & Expo tutorial



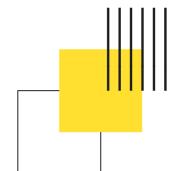
Signal Series: Fullstack tutorial

Today



Signal UI

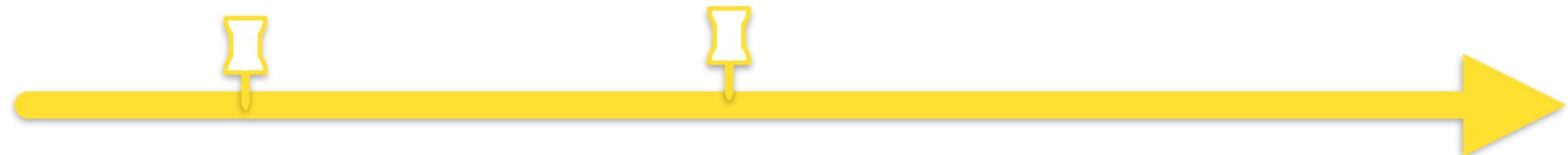
React Native



Signal Series: Fullstack tutorial

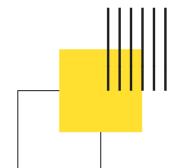
Today

Next week
20 Aug

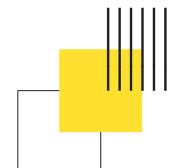


Signal UI
React Native

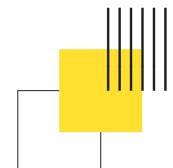
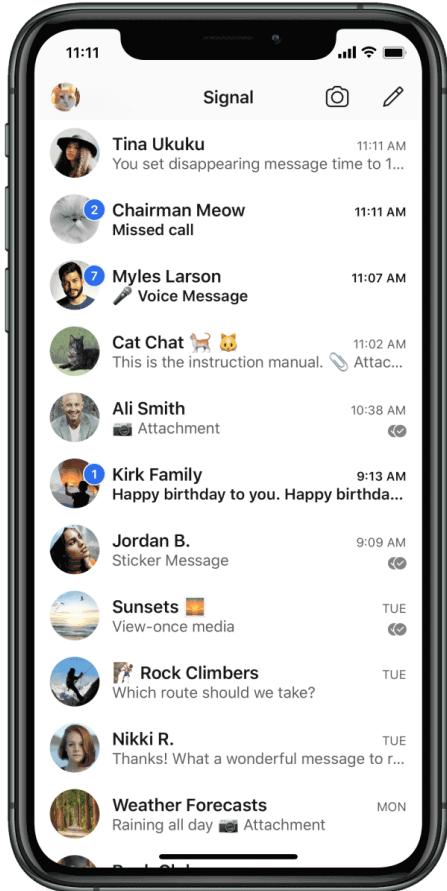
Signal Backend
AWS Amplify



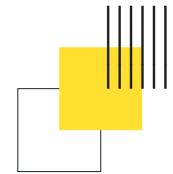
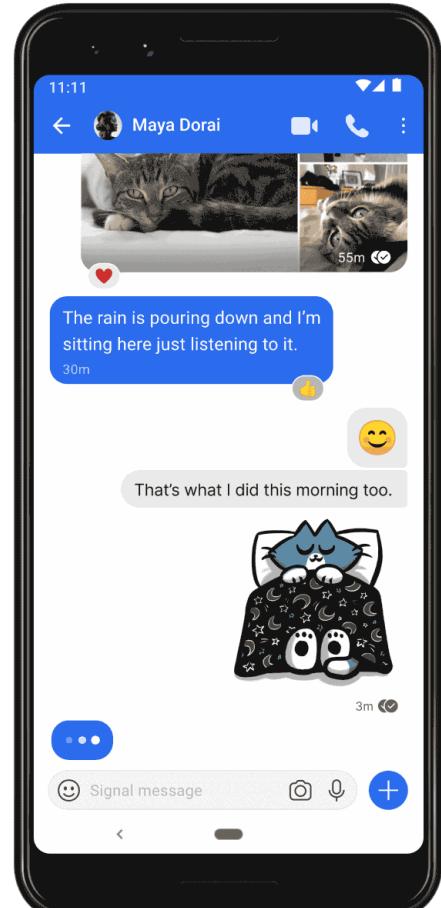
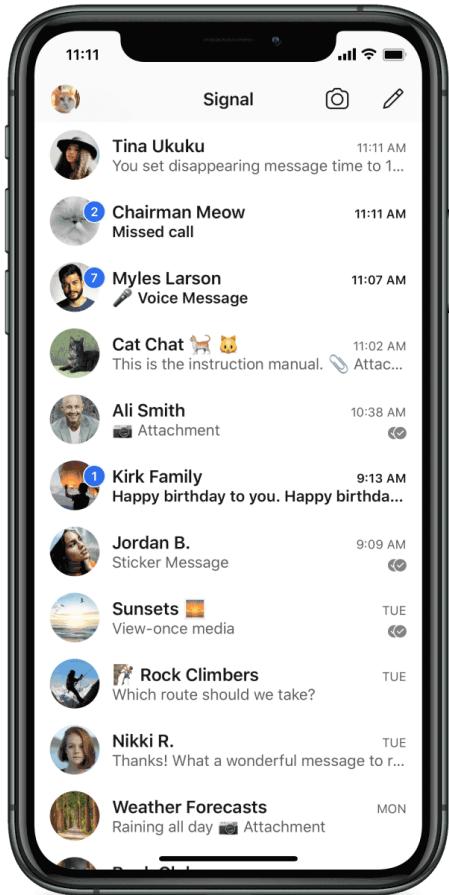
Signal Series: Fullstack tutorial



We are going to build



We are going to build



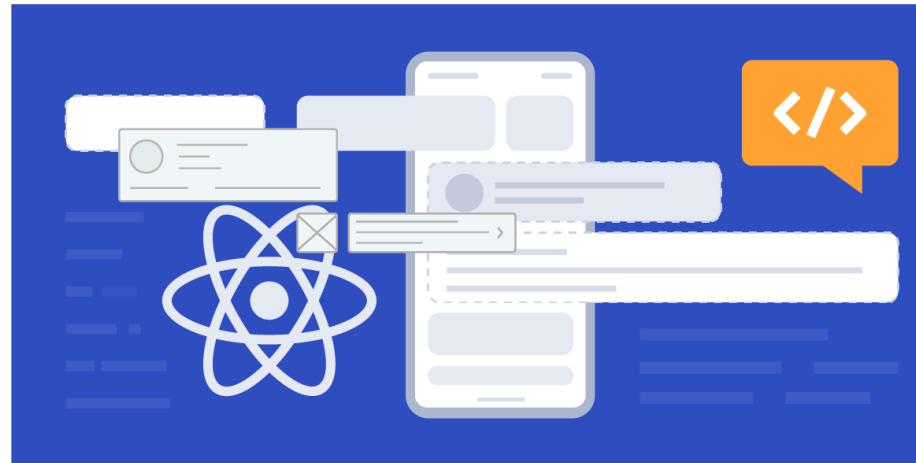
You will learn

- ||| - Setup a project using Expo
- |||
- |||
- |||
- |||
- |||
- |||
- |||



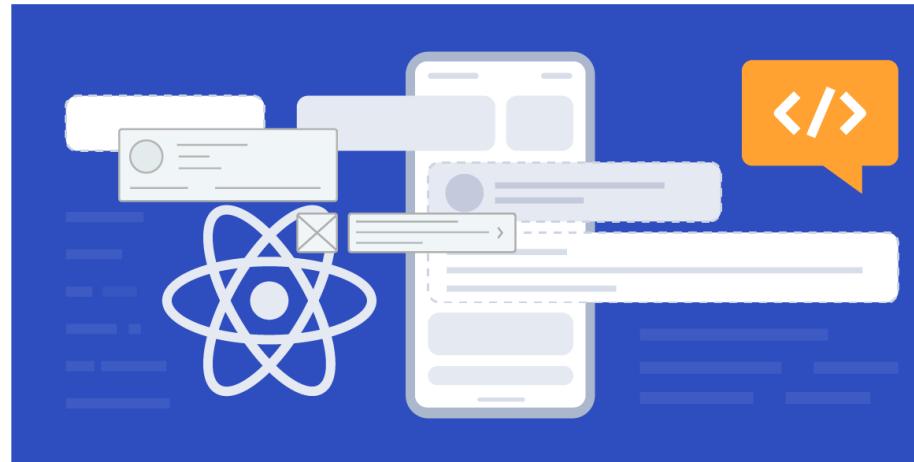
You will learn

- Setup a project using React Native CLI
- Render built-in elements/components



You will learn

- Setup a project using React Native CLI
- Render built-in elements/components
- Create your own components



You will learn

- ||| - Setup a project using React Native CLI
- ||| - Render built-in elements/components
- ||| - Create your own components
- ||| - Functional components & Hooks
- |||
- |||
- |||
- |||
- |||



You will learn

- ||| - Setup a project using React Native CLI
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- |||

- |||

- |||

- |||



You will learn

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- |||
- |||
- |||
- |||



You will learn

- ||| - Setup a project using React Native CLI
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- ||| - Navigation

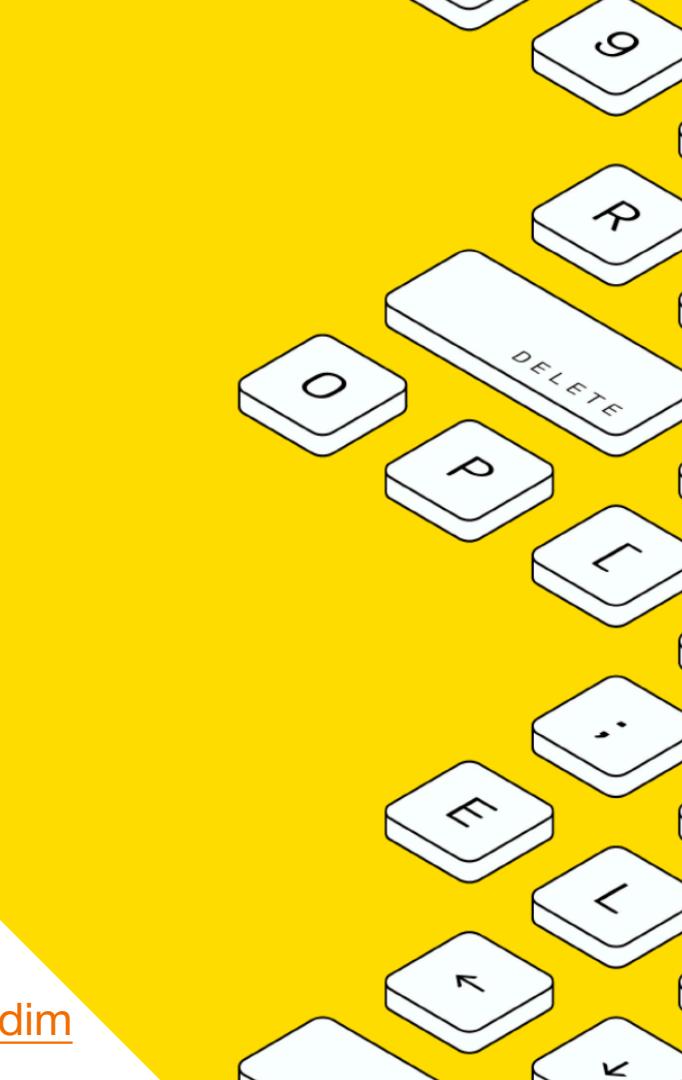




Thanks Expo for sponsoring this video



Install expo to follow along: <http://bit.ly/expo-vadim>





Hi



- Full stack developer for >7yrs
- Founder and CTO
- ex Amazon SDE
- Passionate about coding and building impactful startups.

I AM **notJust**
//developer



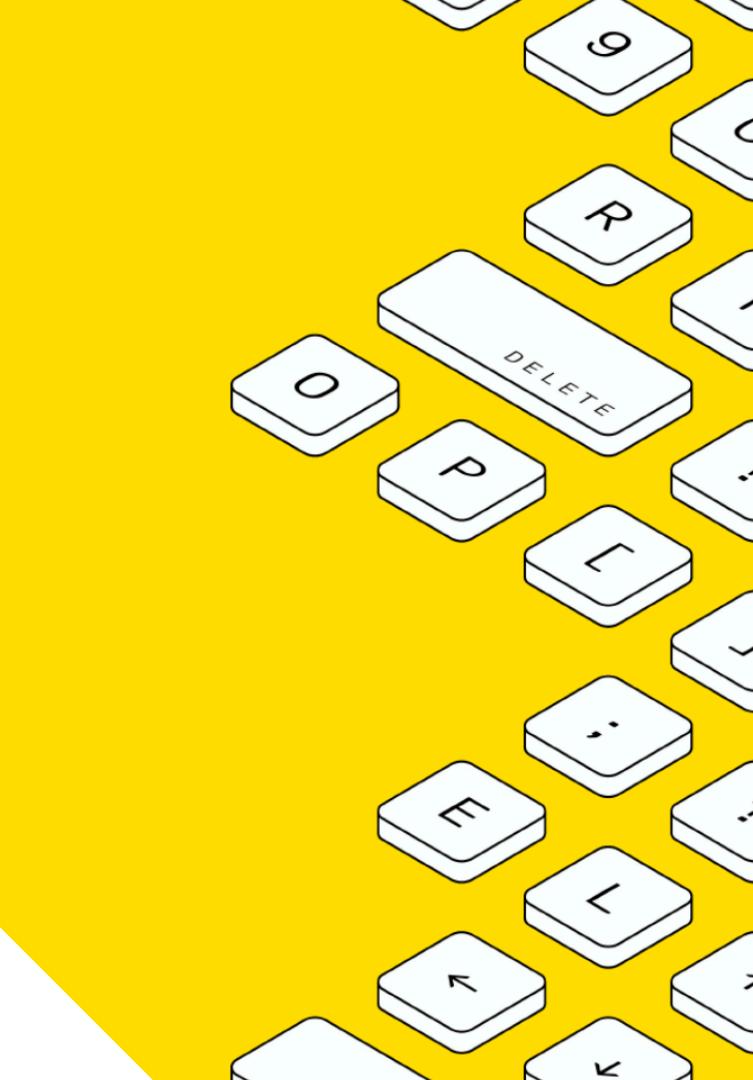
@VadimNotJustDev



New channel members

- 
- 
- | | | |
|---|------------------------|--------------------------|
|  | allan jungoy | notJust Developer Junior |
|  | Gold Medal Bookkeep... | notJust Developer Mid |
|  | Durvani | notJust Developer Junior |
|  | Henk-Jan Knobbe | notJust Developer Mid |
|  | Amit Singh | notJust Developer Junior |
|  | Kimbowa Andrew | notJust Developer Mid |
|  | Esteban Cordero | notJust Developer Junior |

I AM **notJust**
//developer





New channel members

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I AM notJust
//developer

Prerequisites

1. Asset Bundle (dummy data, images, icons, PDF presentation, unlimited karma):



<https://assets.notjust.dev/signal>



2. Expo environment setup



<http://bit.ly/expo-vadim>



notJust

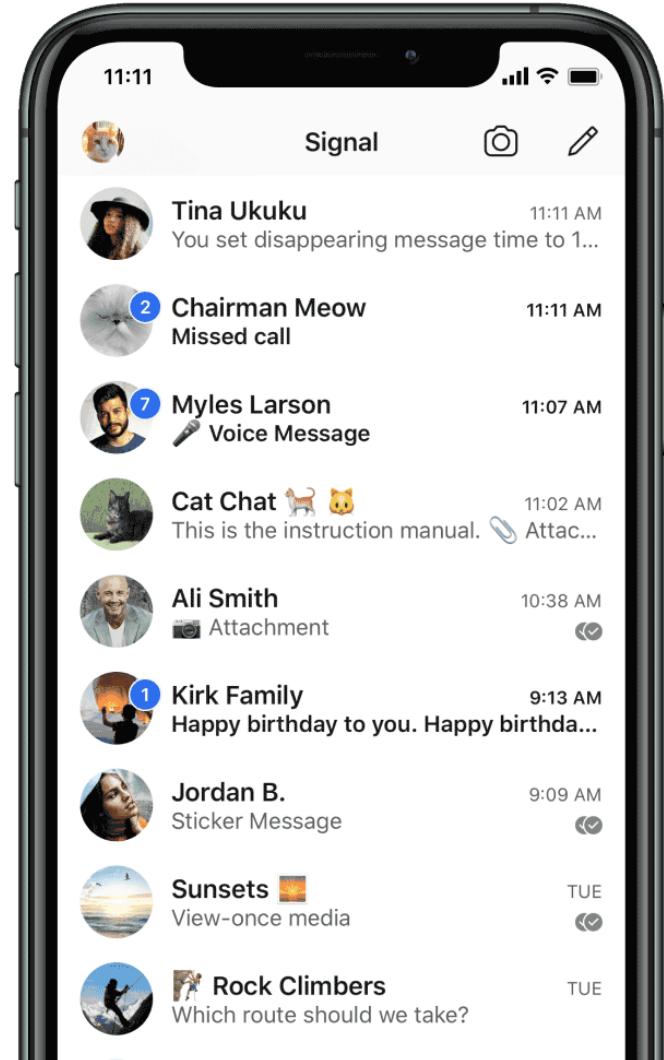
//development



Let's get started

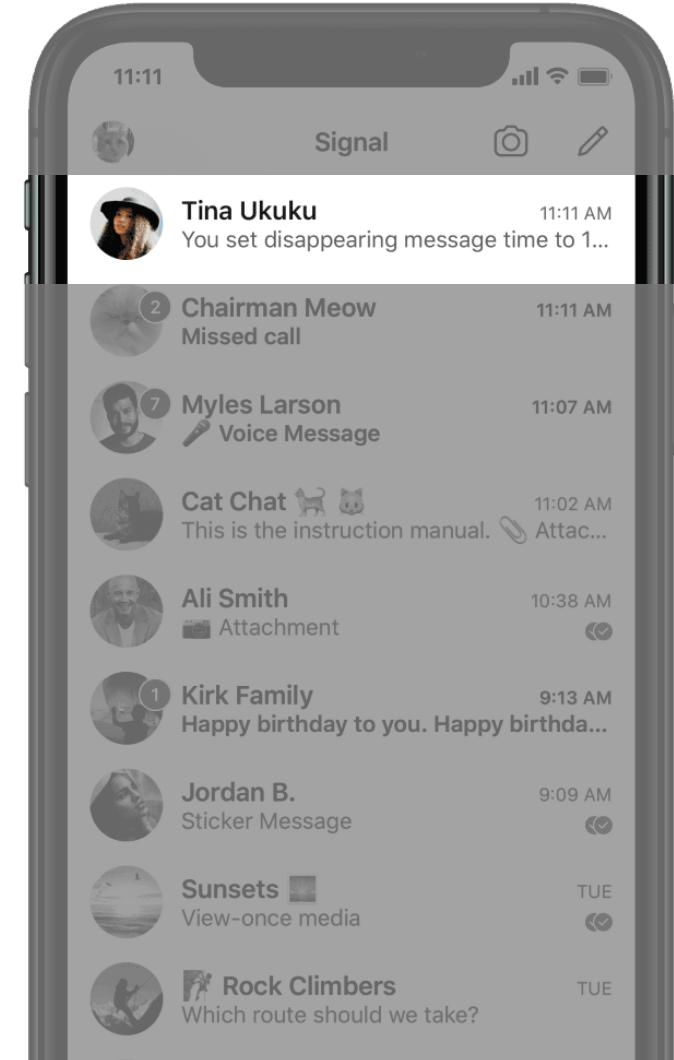


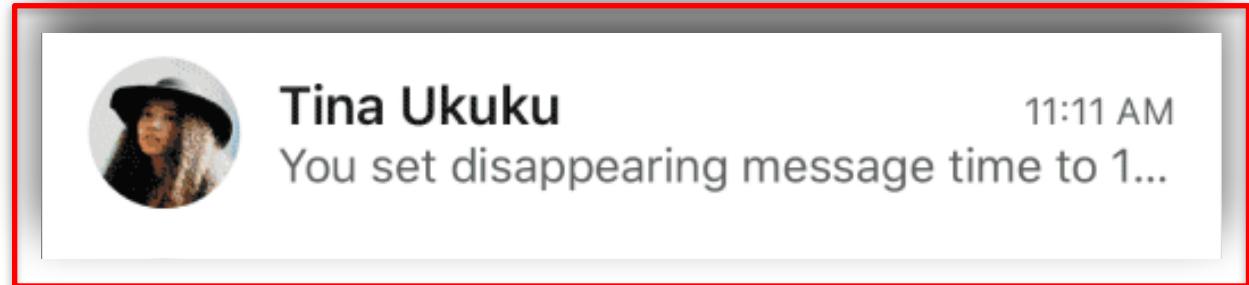
Home Screen



Home Screen

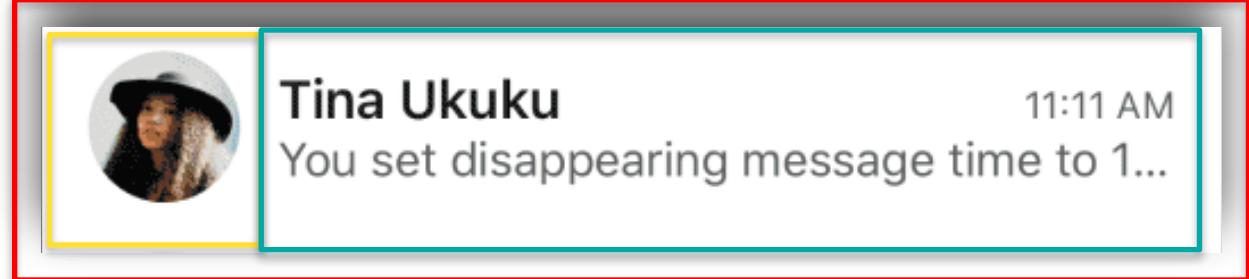
1. Chat Room List item





Home Screen

- ||| 1. Chat Room List item
- ||
- ||
- ||
- |||
- |||



Home Screen

- 1. Chat Room List item
- 2.
- 3.
- 4.
- 5.



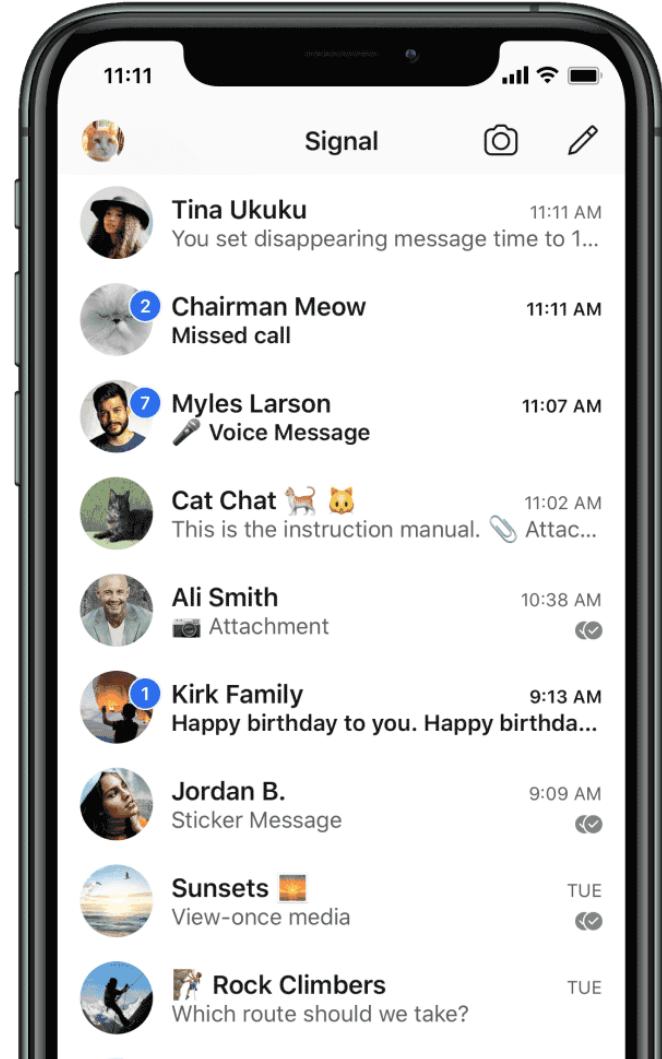
Home Screen

- 1. Chat Room List item
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.

Home Screen

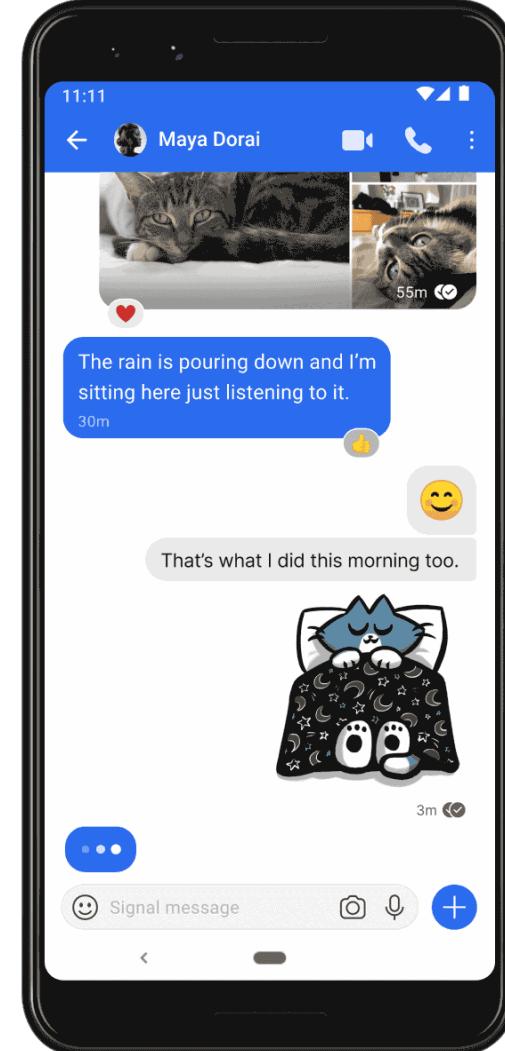
1. Chat Room List item

2. List of chat rooms



Chat Room Screen

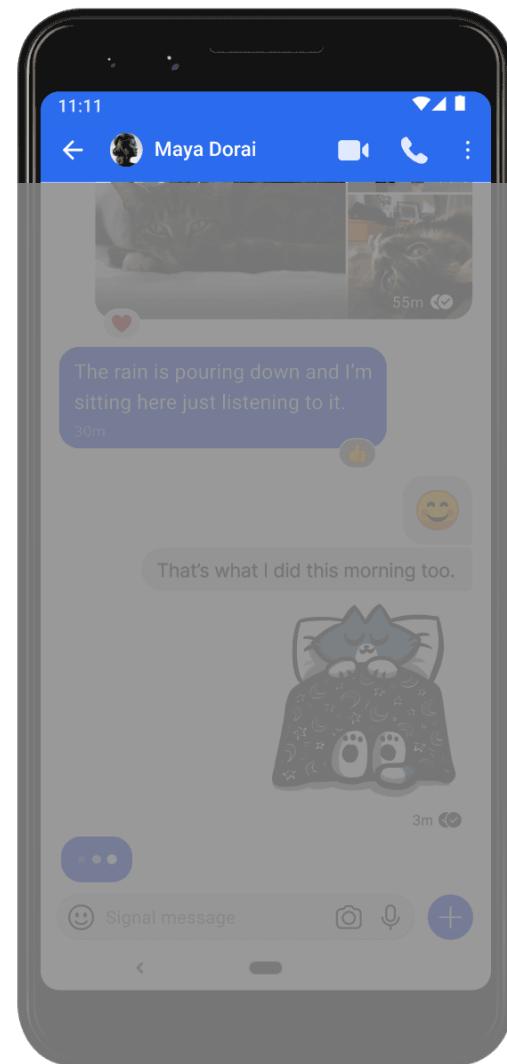
- ||| 1. Message Component
- || 2. List of messages
- || 3. New Message Input
- ||
- |||



Navigation

1. Navigate between screens

2. Navigation Headers



notJust
//development



Q&A

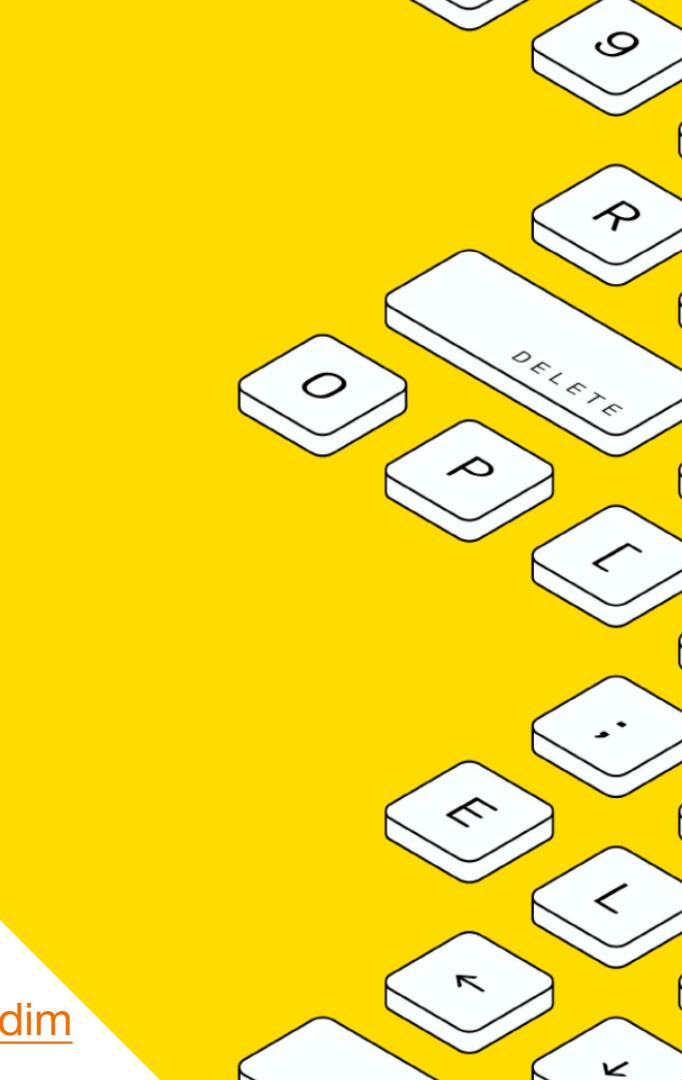




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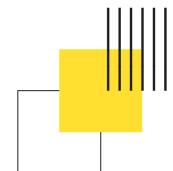


What's next?

Next week
20 Aug



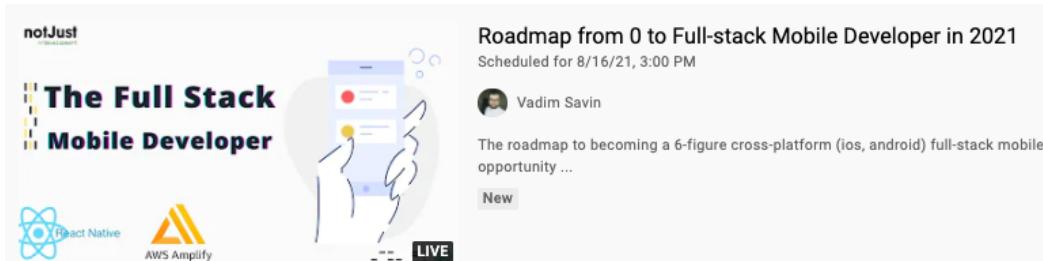
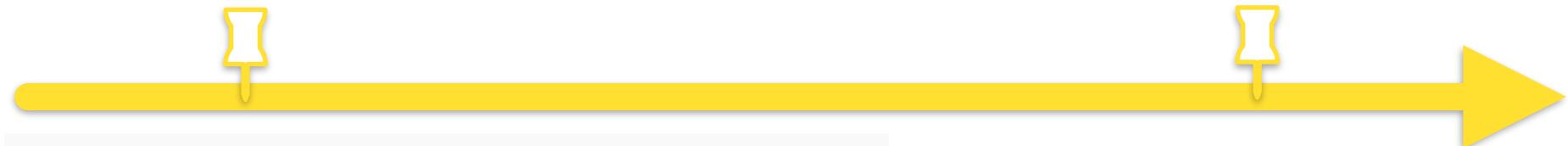
Signal Backend
AWS Amplify



What's next?

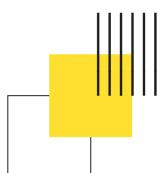
Monday, 16th August 2 pm GMT

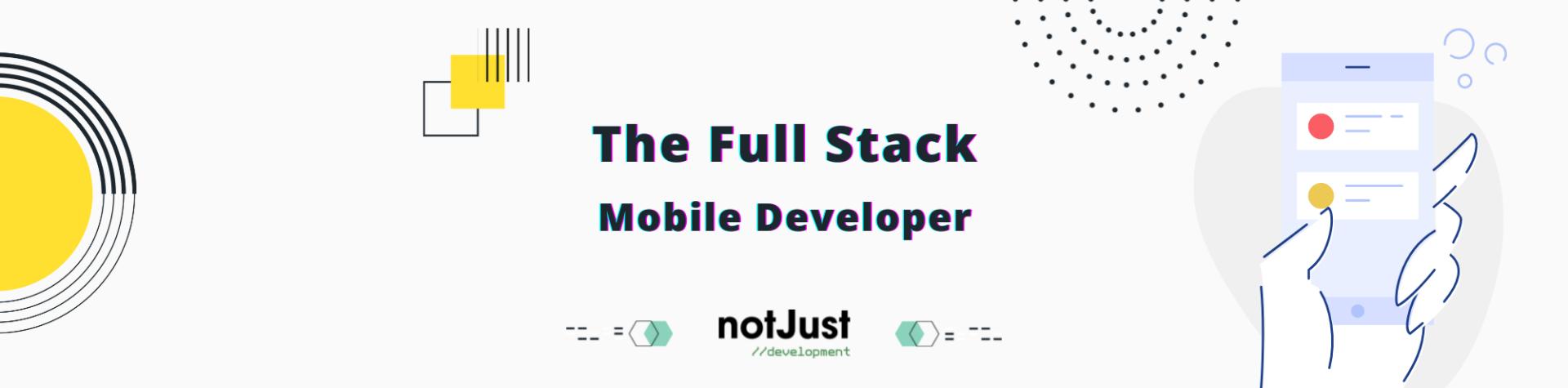
Next week
20 Aug



<https://youtu.be/Ux0HJC2tVNE>

Signal Backend
AWS Amplify

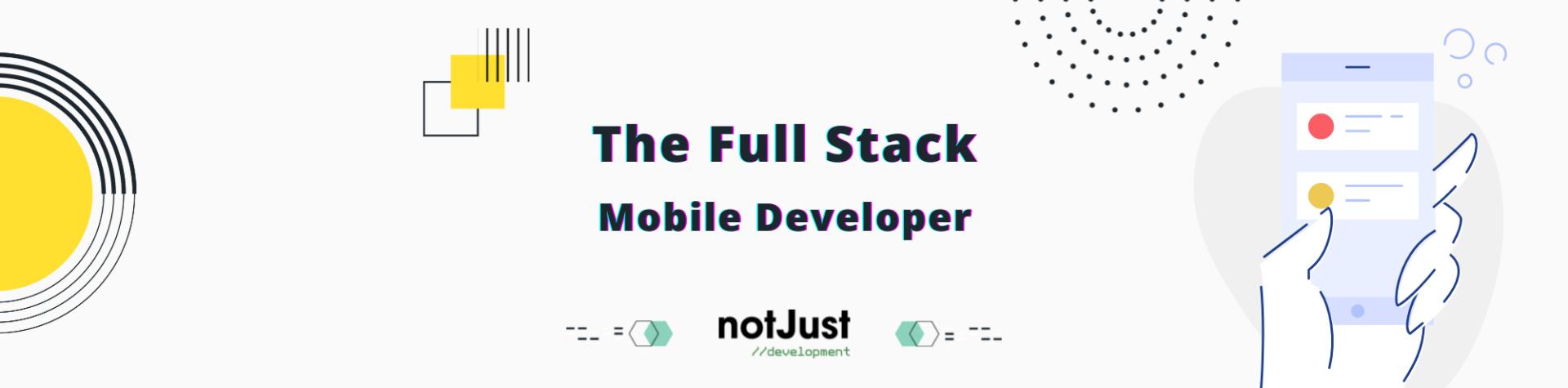




The Full Stack Mobile Developer

- - - = < > notJust //development < > = - - -

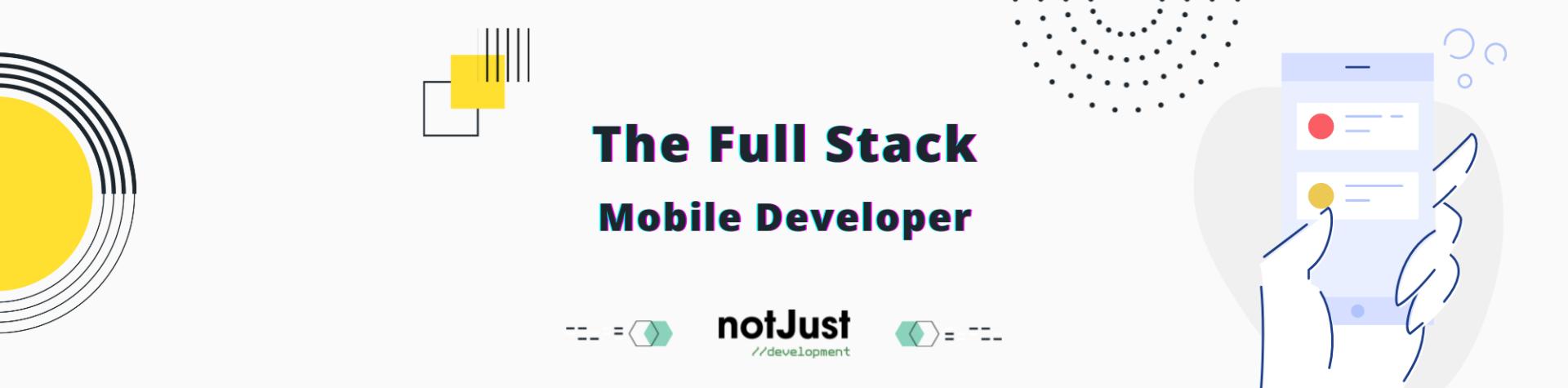
- The roadmap to becoming a 6-figure full-stack mobile developer in 2021.



The Full Stack Mobile Developer

- - - = < > **notJust**
//development < > = - - -

- The roadmap to becoming a 6-figure full-stack mobile developer in 2021.
- Master the tech stack of the future: React Native and AWS Amplify



The Full Stack Mobile Developer

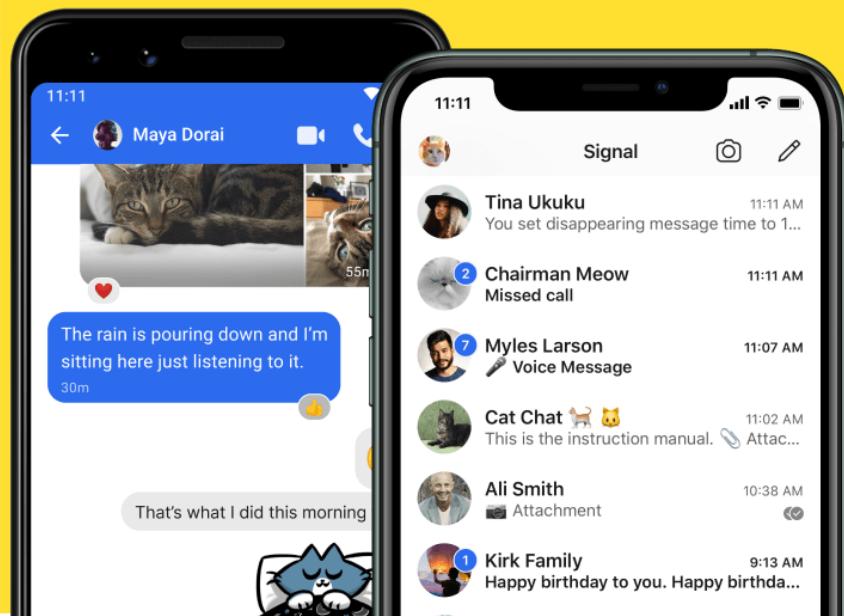
- - - = < > notJust //development < > = - - -

- The roadmap to becoming a 6-figure full-stack mobile developer in 2021.
- Master the tech stack of the future: React Native and AWS Amplify
- [Add to calendar](#) not to miss it out

Monday, 16th August at 2 pm GMT

notJust

//development



Signal Backend

AWS Amplify & Admin UI



notJust

//development

Admin UI



Admin UI

YoutubePrep > staging ▾

Deploying... ⏲

The screenshot shows the Admin UI interface for the 'YoutubePrep' application in its 'staging' environment. The top navigation bar includes the 'Admin UI' logo, the current project ('YoutubePrep > staging'), and a 'Deploying...' status indicator with a progress bar. On the left, a sidebar menu is organized into two main sections: 'Manage' (Home, Content, User management) and 'Set up' (Data, Authentication, Functions, Storage, GraphQL API, REST API). The main content area features a large heading 'Welcome back to **YoutubePrep's** **staging** environment'. Below it, a section titled 'Things to do next' lists four items: 'Data model' (with a sub-section 'Deploying' and a 'Create data model' button), 'View and edit app content' (with a 'Manage app content' button), 'Configure log in and sign up' (with a 'View authentication settings' button and a 'Deployed' status indicator), and 'Users and groups' (with a 'Manage groups' button). The background of the main content area has a subtle pattern of colored circles and stars.

Welcome back to **YoutubePrep's** **staging** environment

Things to do next

Data model
Iterate on your app's data model. Create relationships between models and set up authorization rules.
· Deploying
[Create data model](#)

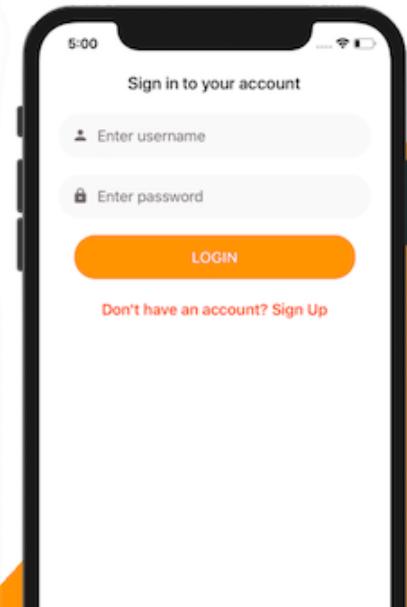
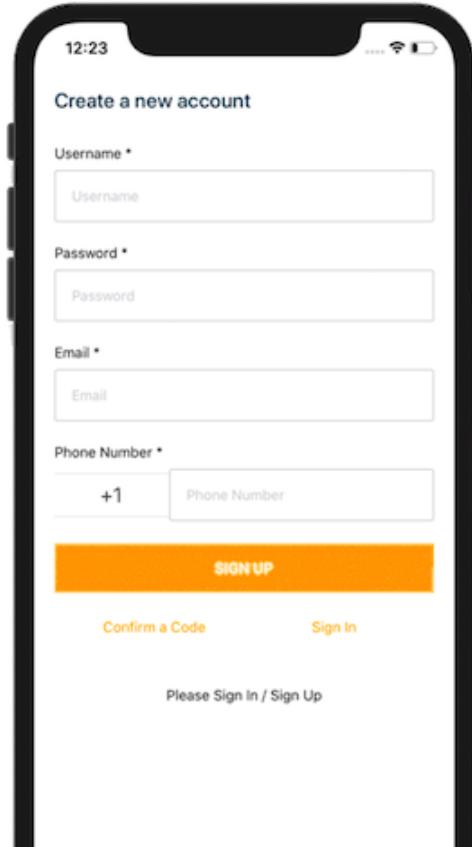
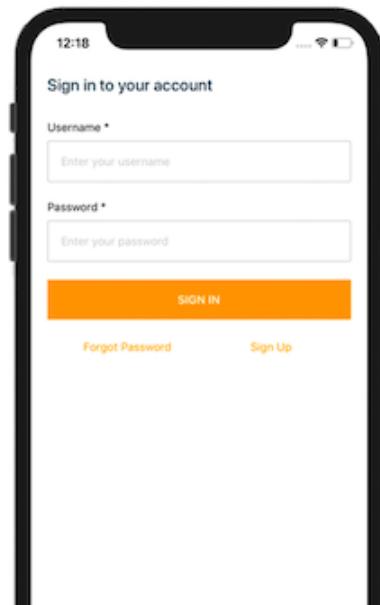
View and edit app content
Use our content editor to create new records or manage existing ones.
[Manage app content](#)

Configure log in and sign up
Configure password-protected login for your app or leverage 3rd party authentication providers.
🕒 Deployed
[View authentication settings](#)

Users and groups
Create users or manage your existing user base. Add users to groups, edit user attributes, and suspend users.
[Manage groups](#)



Authentication



Data Layer



Data modeling

🕒 Deployed View and edit your app's data models, add fields, and relationships.

Auth

Co

Add model

Save and deploy

Comment

Field name

id

Type

ID!

videoID

Relationship Source

+ Add a field

Relationship name

Video

Related to

Video

Cardinality

1:1 one Comment to one Vi...

+ Add a relationship

Video

Field name

id

Type

ID!

content

Type

String

title

Type

String

untitledfield

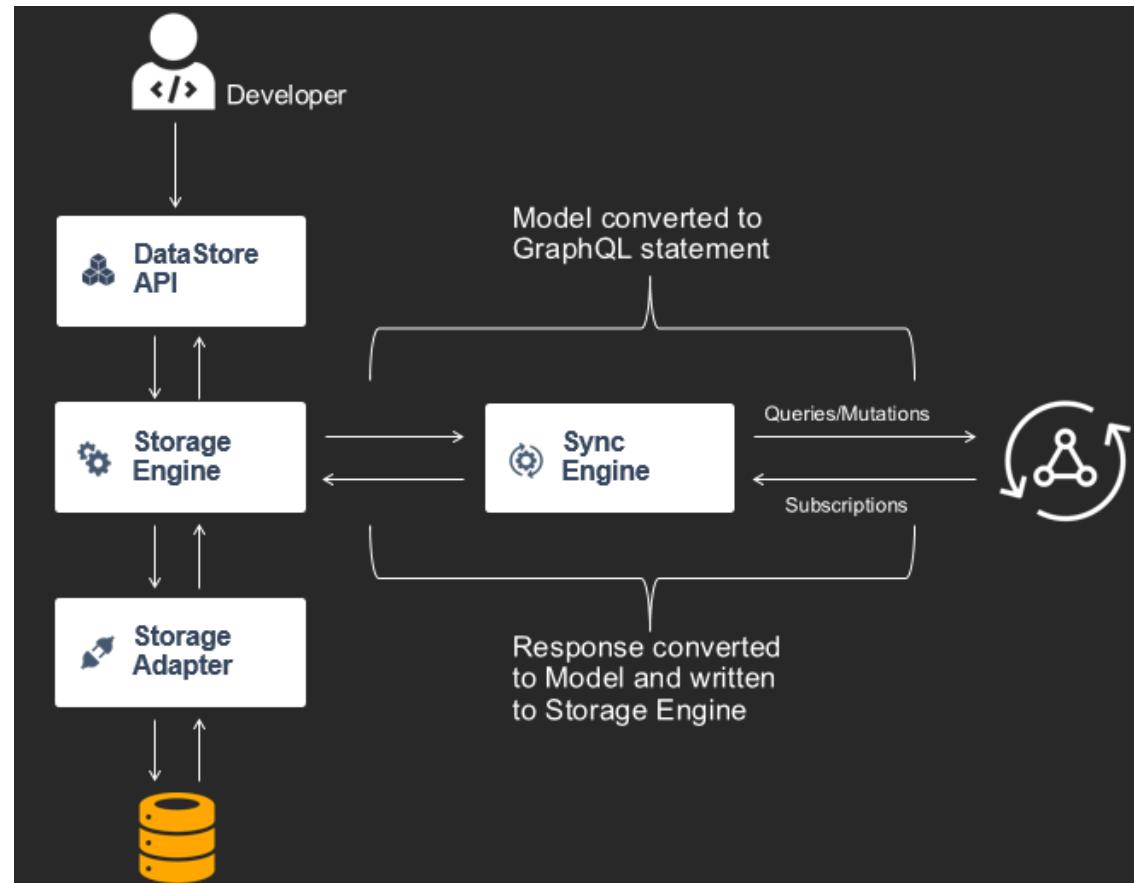
Type

String

Datastore



1. Query library
2. On-device caching
3. Data sync





Hi



- Full stack developer for >7yrs
- Founder and CTO
- ex Amazon SDE
- Passionate about coding and building impactful startups.



I AM **notJust**
//developer



@VadimNotJustDev

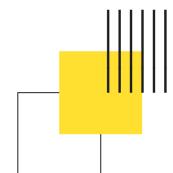


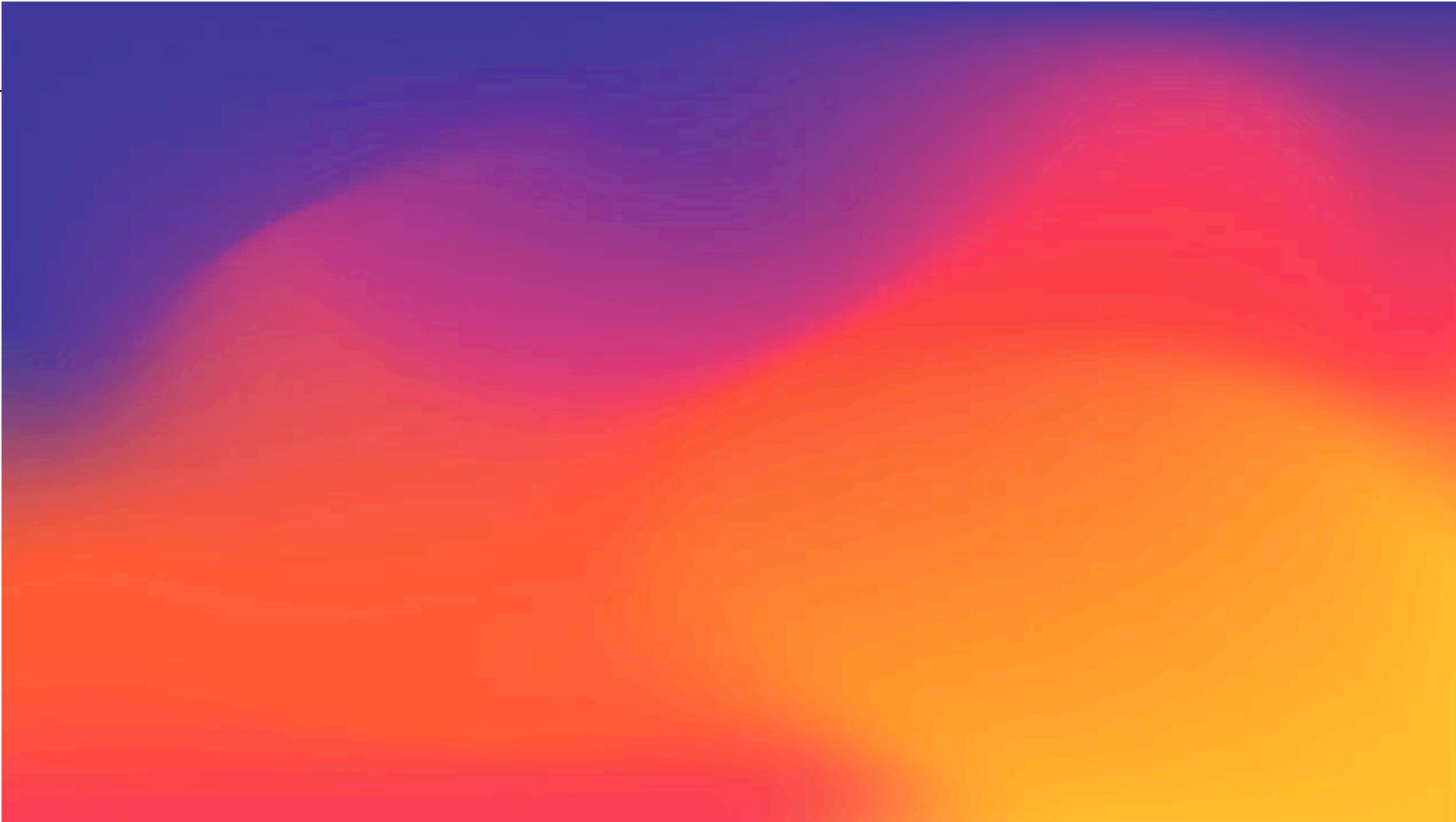
The Full Stack Mobile Developer



-- = < > **notJust**
//development < > = --

<https://academy.notjust.dev>





The tech stack of the future

React Native

- Write **Android** and **iOS** apps, that look and feel native, with **Javascript**
- Large developer community
- 42% of the developers used React Native in 2020 to program mobile apps
- 87% faster time to market compared to native development
- Great development experience similar to WEB
- Live and Hot reloading
- Mature and Robust framework

AWS Amplify

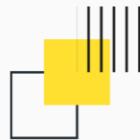
- Amplify helps front-end web and **mobile** developers build **full-stack** applications on AWS **faster**
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- Only pay for the services you use
- Modern **UI-driven** approach to building apps
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Companies using React Native



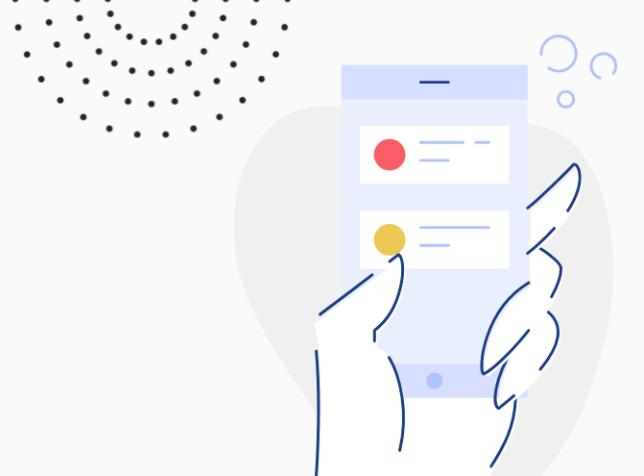
Wix





The Full Stack Mobile Developer

- - - = < > notJust //development < > = - - -



<https://academy.notjust.dev>

Doors closing on 23rd August

02

21

22

39

DAYS

HOURS

MINS

SECS

Prerequisites

1. Asset Bundle (dummy data, images, icons, PDF presentation, unlimited karma):



<https://assets.notjust.dev/signal>



2. AWS account and amplify cli installed

<https://docs.amplify.aws/start/getting-started/installation/q/integration/js/>





Build a Secure Realtime
Chat App in React Native...

https://youtu.be/_eFad7AGWdM

Starting point

1. Part 1





https://youtu.be/_eFad7AGWdM

Starting point

1. Part 1

Didn't follow part 1, but want to follow along now?

2. Clone the repo (UI branch): <https://github.com/Savinvadim1312/SignalClone/tree/ui>
3. Install dependencies (npm install, npx pod-install)
4. Run the project (npm start)

notJust

//development



Let's get started



Create Amplify Project



- Navigate to Amplify page (search on AWS Console)
- New app -> Create app backend
- Open Admin UI



Admin UI DeleteMe >

Welcome back to **DeleteMe** staging environment

Things to do next

Data model
Iterate on your app's data model. Create relationships between models and set up authorization rules.

Create data model Manage app content

Deployment activity

Search deployment activity

Category Timestamp

Setup Authentication



Admin UI YoutubePrep > staging ▾

Home
Manage
Content
User management
Set up
Data
Authentication
Functions
Storage
GraphQL API
REST API
Analytics
Documentation ?
Support ?

Authentication

Deployed Configure how your users log in and sign up to your app.

1. Configure login

Add login mechanisms

Authentication has been deployed so username, email, and phone number mechanisms can't be changed.

Email

Enable your users to sign in with their email address. Email login is protected by password challenge.

Add login mechanism ▾

Multi-factor authentication

2. Configure sign up

Select which attributes you require from your customers.

Sign up settings can't be changed after authentication has been deployed

Email

Add attribute ▾

Password protection settings

Reset all authentication settings and users

Save and deploy

Data Modeling

The screenshot shows the Admin UI interface for data modeling. On the left, a sidebar menu includes Home, Manage (Content, User management), Set up (Data, Authentication, Functions, Storage, GraphQL API, REST API, Analytics), Documentation, Support, and Feedback.

The main area is titled "Data modeling" and shows two models:

- Comment**:
 - Field name: id (Type: ID!)
 - Field name: videoID (Relationship Source)
- Video**:
 - Relationship name: Video (Related to: Video, Cardinality: 1:1 one Comment to one Vi...)

At the top right, there are "Save and deploy" and "Deploy" buttons.

Pull the changes



Install Amplify CLI (if you don't have it):

```
$ curl -sL https://aws-amplify.github.io/amplify-cli/install | bash && $SHELL
```



Pull the backend into React Native app:

```
$ amplify pull --appId APP_ID --envName staging
```



Configure Amplify

In App.tsx:

```
import Amplify from "aws-amplify";
import config from "./src/aws-exports";
Amplify.configure(config);
```

Configure Auth

In App.tsx:

```
import { withAuthenticator } from "aws-amplify-react-native";  
...  
export default withAuthenticator(App);
```

Save authenticated user in Database

- ||| 1. Add a post confirmation function
- || 2. Save the user in database
- || 3. Push the changes
- || 4. Setup the env variables and permissions
- || 5. Test

Integrate Datastore



- Fetch Users
- Fetch ChatRooms
- Create ChatRooms
- Send & Receive messages (in real time)



notJust
//development

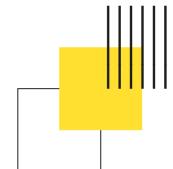
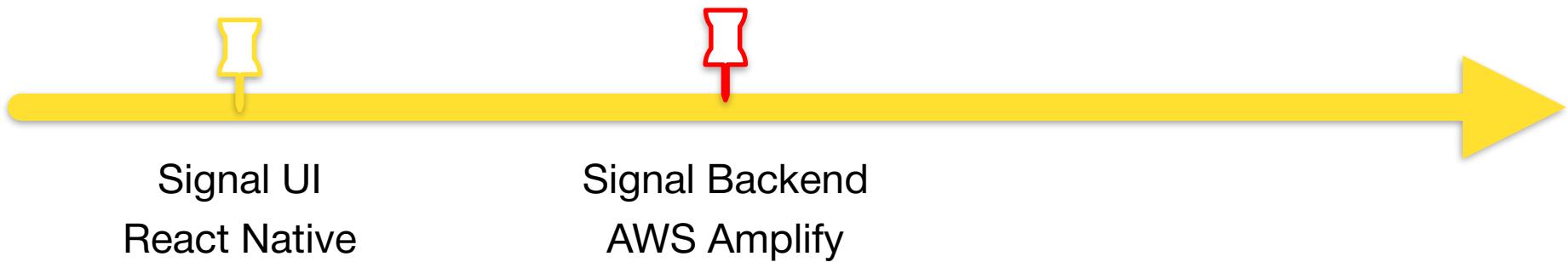


Q&A

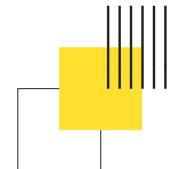
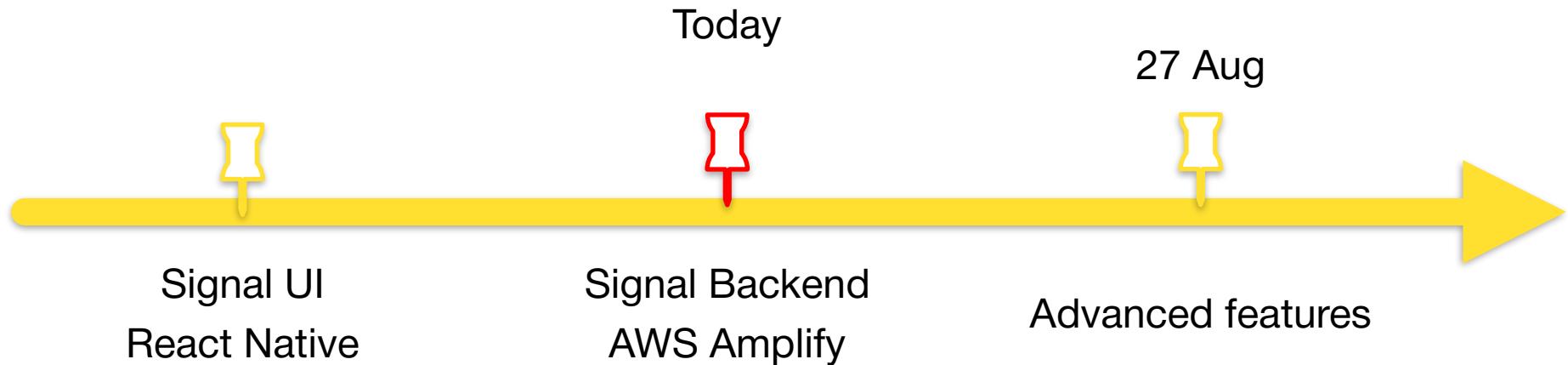


Signal Series: Fullstack tutorial

Today



Signal Series: Fullstack tutorial

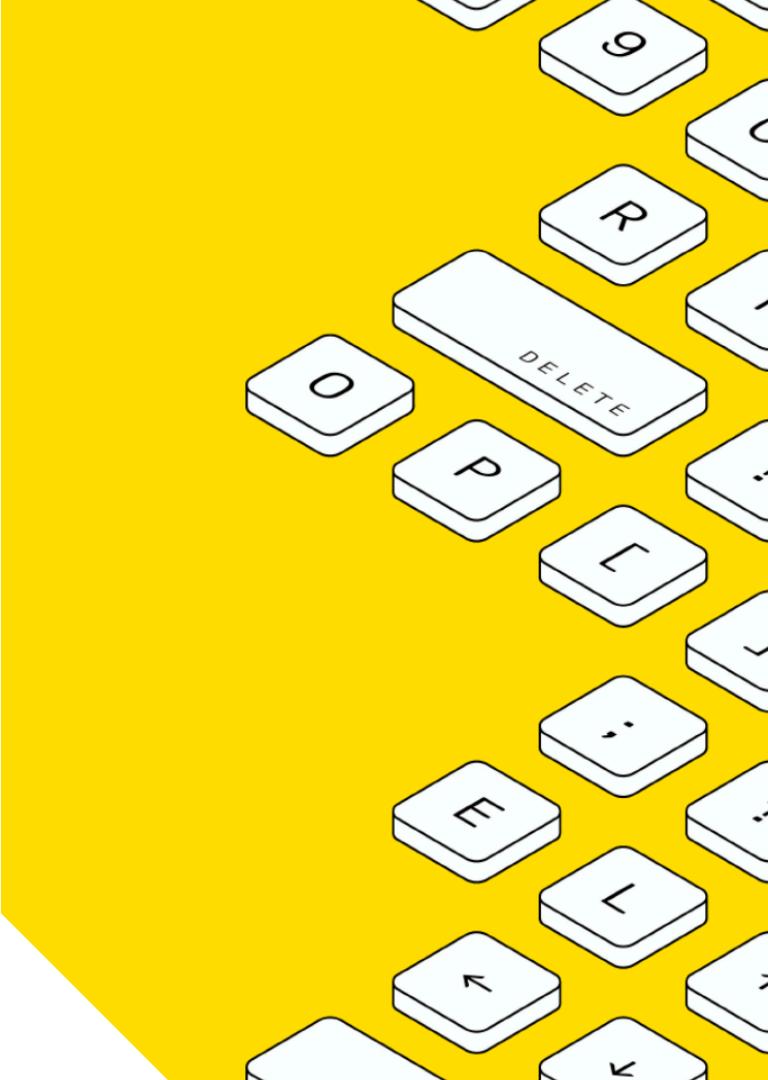




New channel members

B	BulamuNet	notJust Developer Junior
V	Varun Chandra	notJust Developer Mid
S	Sumari Ari	notJust Developer Junior
E	Emma Cyril	notJust Developer Mid
J	Jarreau Fourie	notJust Developer Junior
N	Nichola Richardson	notJust Developer Junior
a	allan jungoy	notJust Developer Junior
	Chris H.	notJust Developer Junior

I AM notJust
//developer

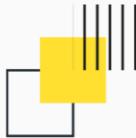




New channel members

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I AM notJust
//developer

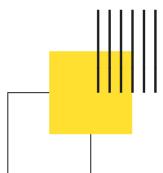


The Full Stack Mobile Developer



- - - = < > notJust
//development < > = - - -

<https://academy.notjust.dev>



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- Benefit from data centers and network architectures that are built to meet the requirements of the most **security-sensitive** organizations

Companies using React Native



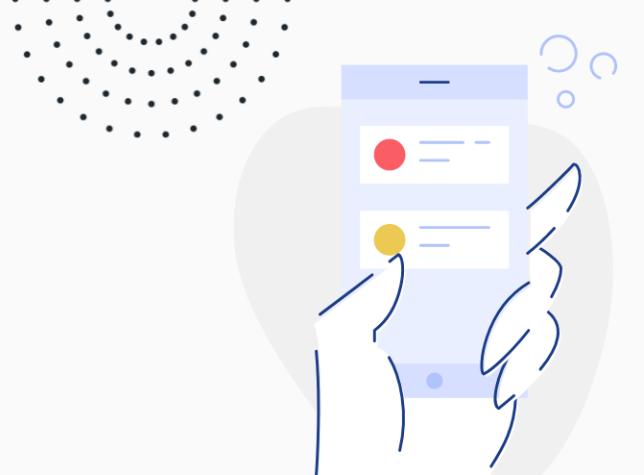
Wix





The Full Stack Mobile Developer

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<https://academy.notjust.dev>

Doors closing on 23rd August

02

21

22

39

DAYS

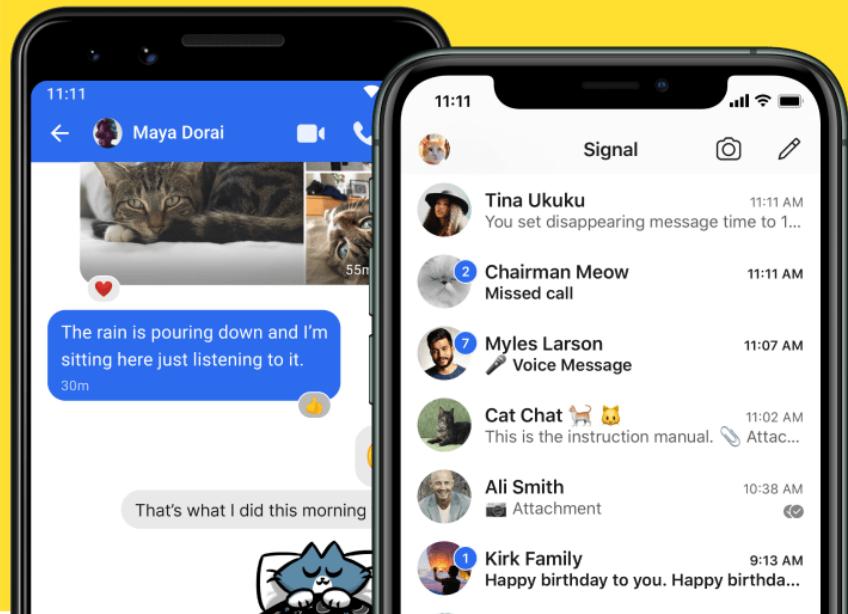
HOURS

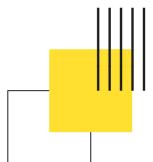
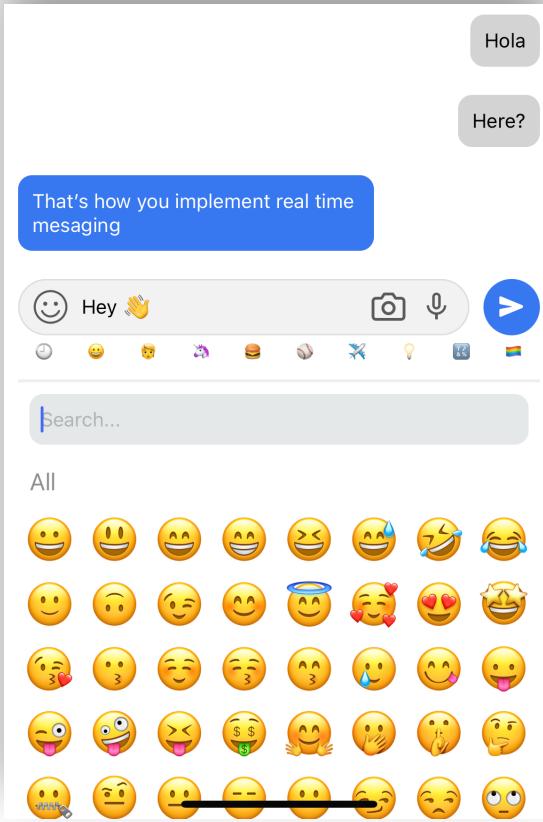
MINS

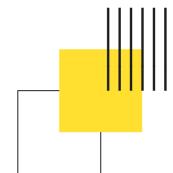
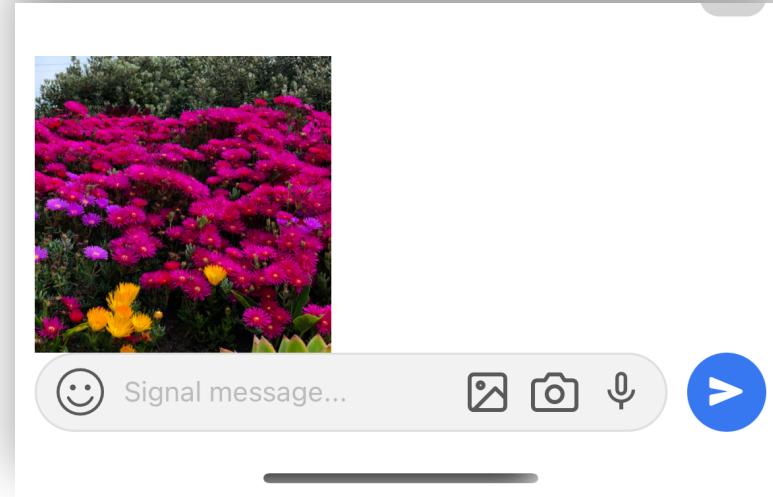
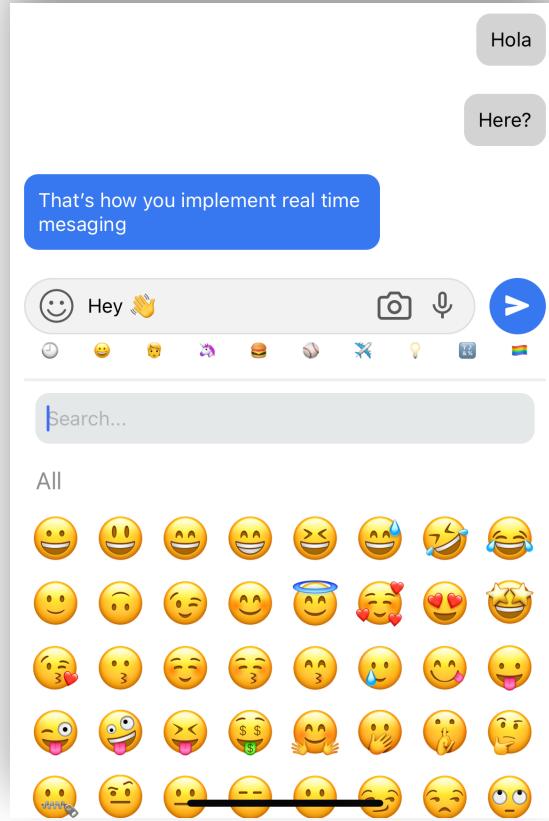
SECS

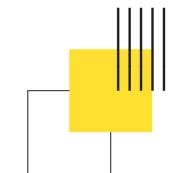
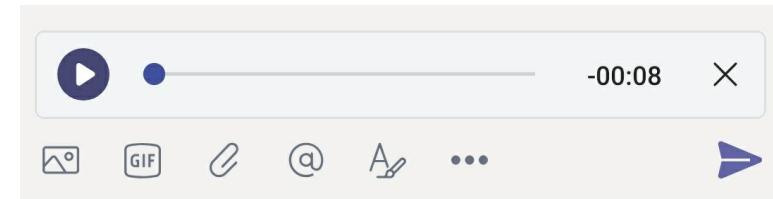
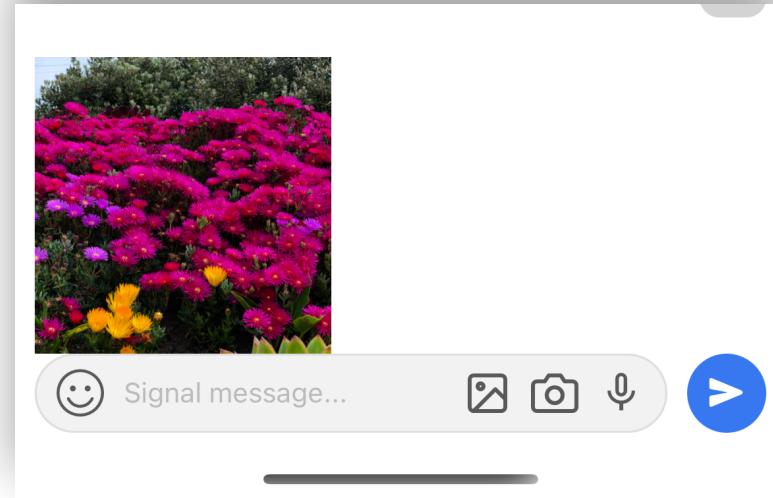
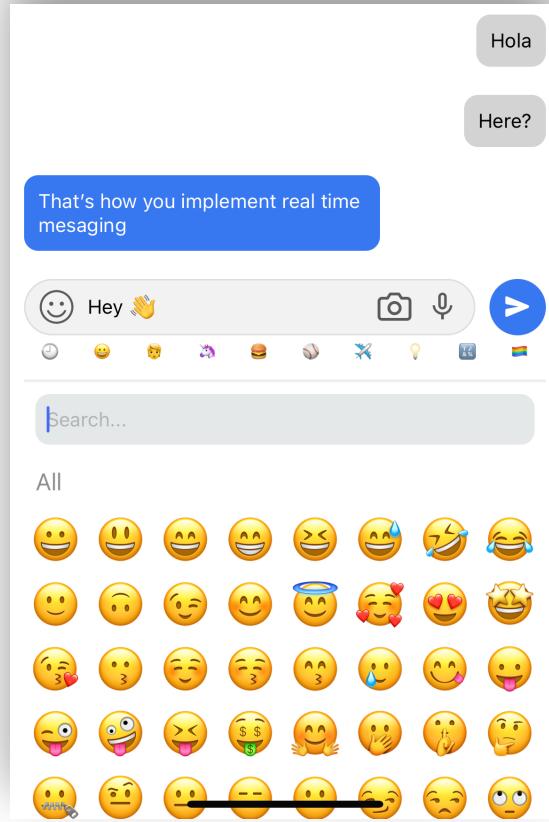
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Hi



- Full stack developer for >7yrs
- Founder and CTO
- ex Amazon SDE
- Passionate about coding and building impactful startups.



I AM **notJust**
//developer



@VadimNotJustDev

Prerequisites

1. Asset Bundle (dummy data, images, icons, PDF presentation, unlimited karma):



<https://assets.notjust.dev/signal>



2. AWS account and amplify cli installed

<https://docs.amplify.aws/start/getting-started/installation/q/integration/js/>



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https://youtu.be/_eFad7AGWdM

Starting point

1. Part 1 & 2





https://youtu.be/_eFad7AGWdM

Starting point

1. Part 1 & 2

Didn't follow part 1 & 2, but want to follow along now?

2. Clone the repo (UI branch): <https://github.com/Savinvadim1312/SignalClone/tree/backend>
3. Install dependencies (npm install, npx pod-install)
4. Run the project (npm start)

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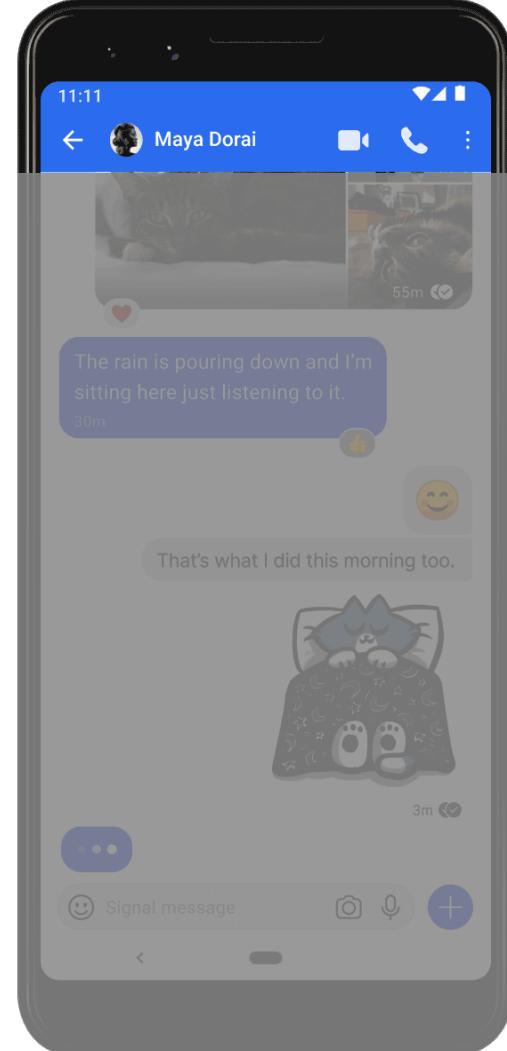
Let's get started

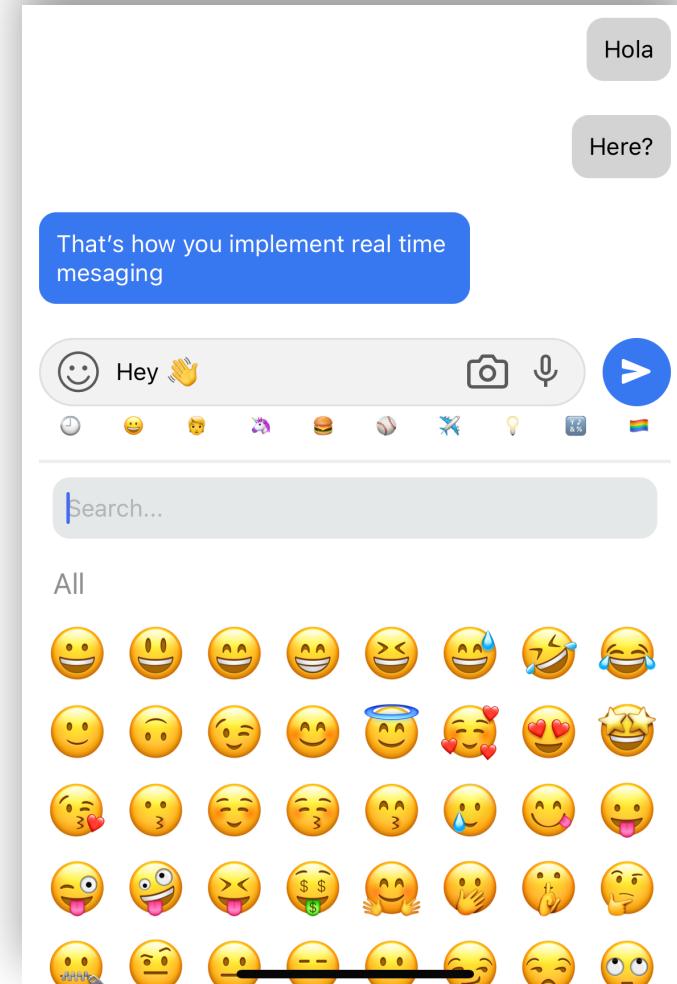


Set the name and the image of the user in header of the ChatRoom



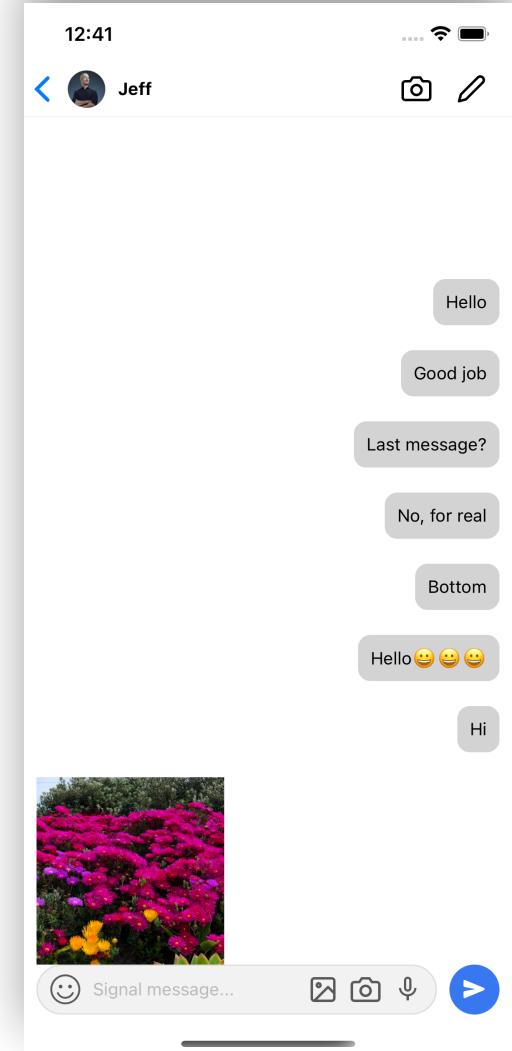
- remove setOptions from ChatRoomScreen
- extract ChatRoomHeader in another file
- transform options into a function, and pass down the route props to the header component
- Based on chatRoomId, fetch chat room users, and set the data (name, image) about the other user in header

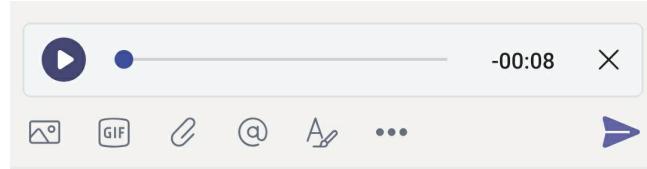




Send Images

- ||| 1. Install image picker library
- ||| 2. Request access to library and camera
- ||| 3. Pick an image from gallery
- ||| 4. Take a photo
- ||| 5. Upload the photo to S3 Storage
- ||| 6. Save Message to database
- ||| 7. Display the image message





Audio messages

- ||| 1. Install expo av
- ||| 2. Record audio
- ||| 3. Play Audio
- ||| 4. Send audio message
- ||
- ||
- |||
- |||

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Q&A

