PASSWORDLESS

LOGIN

A better way to authenticate your users

SPEAKER PROFILE



BASIC INFO

Name: Aleks "Ola" Linczewska

Age: classified Gender: Female

Studies: French Philology

Job: React Native Dev at Callstack

Household: 2 kids, 1 cat, 1 dog, 1 hamster,

1 axolotl, 1 husband

SKILLS







HABITS

90% Sleep

70% Eat

HOBBIES





Twitter: @p_syche_

BlueSky: psychebsky.bsky.social

WHY
Why should you care about passwords

STATUSWhat are the currently available options

TABLE OF CONTENTS

SOLUTION Let's talk about passkeys

Why should you care about passwords?



555 MILLION

Hackers have published as many as 555 million stolen passwords on the dark web since 2017. (Cnet, 2020)





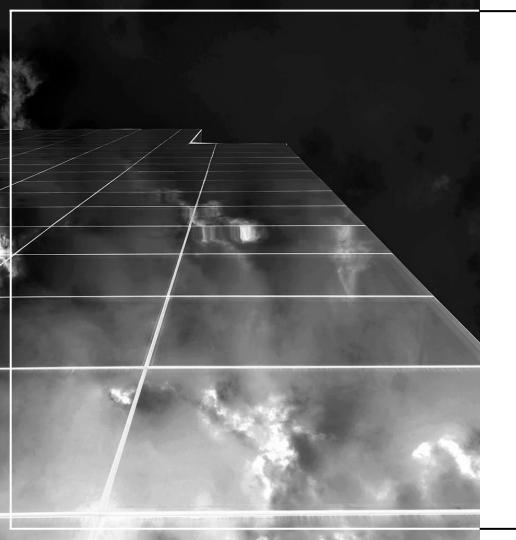
80% of hacking incidents are caused by stolen and reused login information. (Verizon, 2020)



39 SECONDS

Hacking attacks using scripts that try to guess usernames and passwords happen every 39 seconds, globally. (WebsiteBuilder.org, 2021)





YOUR COMPANY

How sure are you that the app you are working on is not going to be breached?

What are the currently available options?

PASSWORD OPTIONS

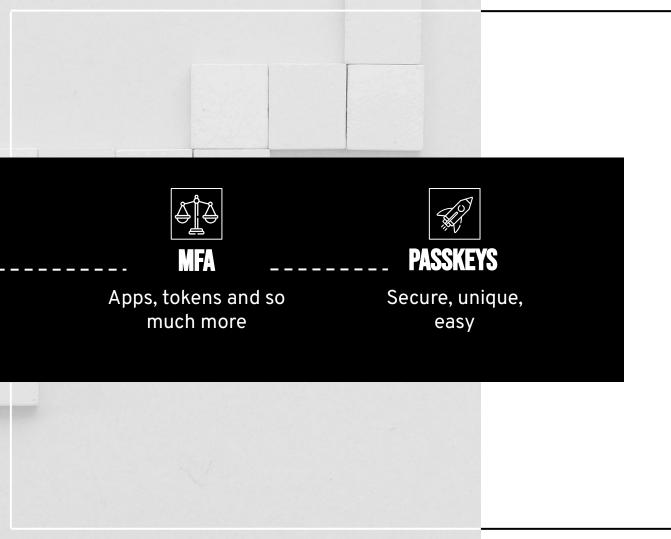




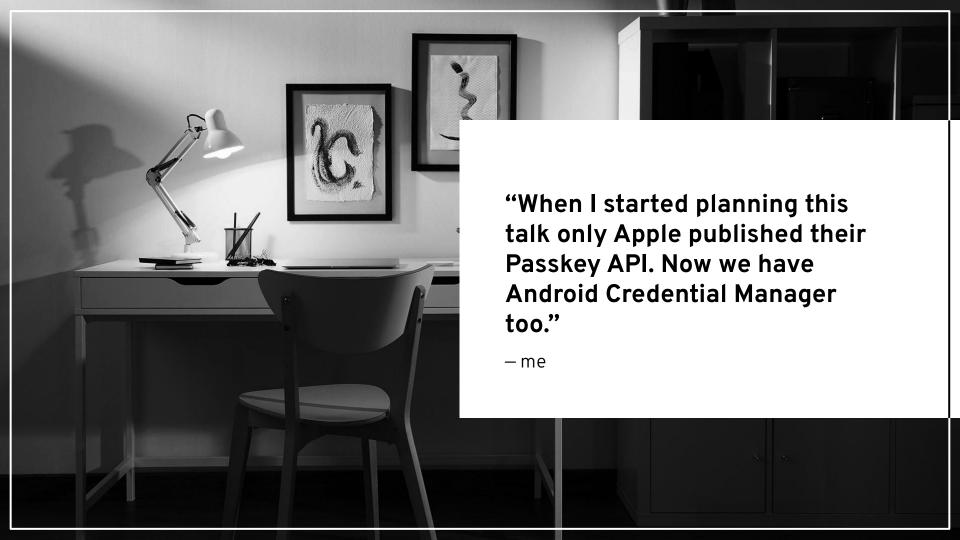
WORDS

Unique, but memorable words

Magic links



Let's talk about Passkeys



PASSKEYS

Passkeys give you a simple and secure way to sign in without passwords by relying on biometrics to identify you when you sign in to supporting websites and apps.





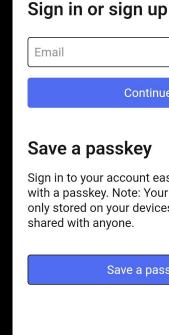
SIGN IN

Simple registration requires username only

CHECK ACCOUNT

saved passkeys

Check for previously



Save a passkey

Sign in to your account easily and securely with a passkey. Note: Your biometric data is only stored on your devices and will never be shared with anyone.

Save a passkey

Continue



SAVE PASSKEY

Save the passkey using Apple Passkeys or Android Credential Manager

Skip

Sign up

Back

EXAMPLE FLOW



SIGN IN

Simple registration requires username only



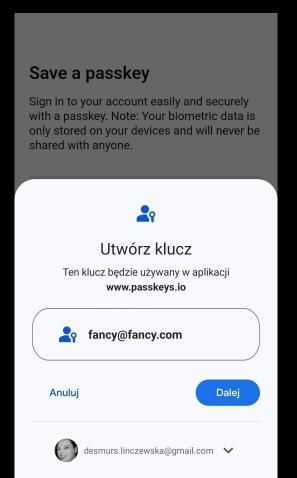
CHECK ACCOUNT

Check for previously saved passkeys



SAVE PASSKEY

Save the passkey using Apple Passkeys or Android Credential Manager





CODE

```
import { Passkey, PasskeyRegistrationResult } from 'react-native-passkey';
try {
 const authRequest = {
 const authResponse = await fetch(
    'https://<your-server-url>/auth',
} catch (error) {
```

EXAMPLE FLOW

```
. . .
    const result: PasskeyRegistrationResult = await Passkey.register(authResponse);
    const passkeyResponse = await fetch(
      'https://<your-server-url>/passkey-auth',
  } catch (error) {
```



DROP-IN SOLUTIONS

AuthO currently has a WebAuth Passkey



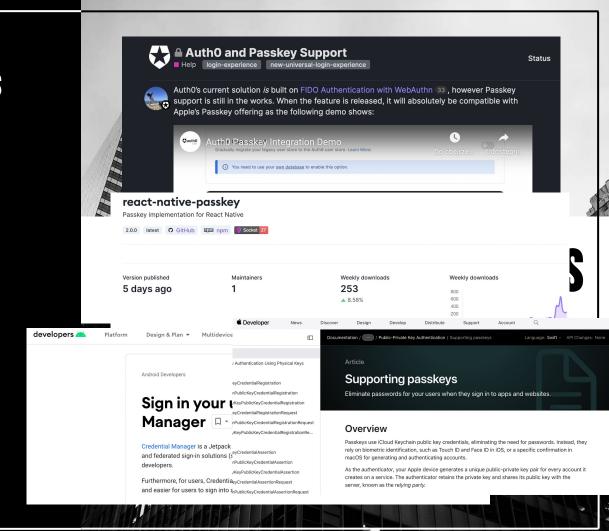
OSS

There's at least 1 library out there implementing Passkeys for RN



WORK IT

You can create your own implementation



WHAT TO KEEP IN MIND



FIDO

Passkeys require a safe, FIDO-compliant backend



SETUP

There are additional setup steps for both platforms



MOBILE AND WEB

The same passkey can be used across devices



DEMOS

Check out some demos

DEMOS



Shopify includes Passkeys in Shop Pay: https://www.shopify.com/blog/ecommerce-payment-authentication

Example app with react-native-passkeys:

