

# Metallic

Aaron Kopplin, Brad Samack,  
Josh Hubbard, Myren Mitchell

# Overview

- Metallic is an intuitive mobile app payment platform that allows users to easily make cryptocurrency payments.
- Find other users and make payment based on username instead of long cryptocurrency addresses.
- Allows users to start sending and receiving payments in seconds - without having to understand how cryptocurrency technology works.

# Cryptocurrency

**Problem:** Cryptocurrency has a steep learning curve.

**Solution:**

- Build a mobile app payment ecosystem on top of the blockchain.
- Use profiles and usernames instead of cryptocurrency addresses.
- Each account comes with a cryptocurrency wallet. It is easy to connect with friends and make payments.
- QR code scanning for receiving payments and deposits from off-app accounts.

# Risk Management

**Problem:** cryptocurrency custodianship is a large liability

**Solution:**

- Wallet information held only on the device.
- Users must back up their accounts by writing down their mnemonic phrase.
- Users own their currency.
- Censorship resistance. Users always have access to their funds.

# App Features

## User Profiles

- Usernames prefixed with @ symbol
- Profile pictures

## Contacts

- Quickly add or remove friends

## User Search

- Find other users by looking up their Usernames or Email.

## Payment history and Chats

- All payments are recorded and stored.

# Technical Details

## React Native App

- Cross platform for Web, Android, and IOS

## Ethers JS

- Create wallets and send payments to the blockchain

## Google Firebase

- Manage user accounts and authentication
- Real time data storage and retrieval