"CONNECT WALLET" WITHOUT THE RAGE QUIT

Building Web3 UX That Feels Like Magic

How do you do, fellow kids?

ELLIOT VORIS

“

WEB3 UX DOESN’T HAVE TO SUCK!

Let’s prove it.

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Your turn. Get Started!

STELLAR: A CRYPTO OG

Stellar’s got a lot going for it...

🏛️ Been around 10+ years

💨 Fast transaction times

⛽ Low gas fees

⚓ Network of on- and off-ramps

🧮 Soroban: Top-notch smart contract platform

📜 ...the list goes on

BUT ALL THAT'S OLD HAT

Instead, let's see how we can bring peopleon-chain *quickly* & **easily**.

With smart wallets!

Smart Wallet: a smart contract that acts as an account

Passkey Kit: Use passkeys to create and use smart wallets on Stellar

Launchtube: A paymaster service for gasless transactions

CHECK THIS OUT

TODO: video recorded, just needs to be trimmed down a bit

Smart Stellar Demo

Login or create a new account.

THE BREAKDOWN

The experience as a user:

You're already familiar with this onboarding flow

No more remembering seed phrase, secret key, etc.

Entirely non-custodial: Your passkey. Your crypto.

The experience as a developer:

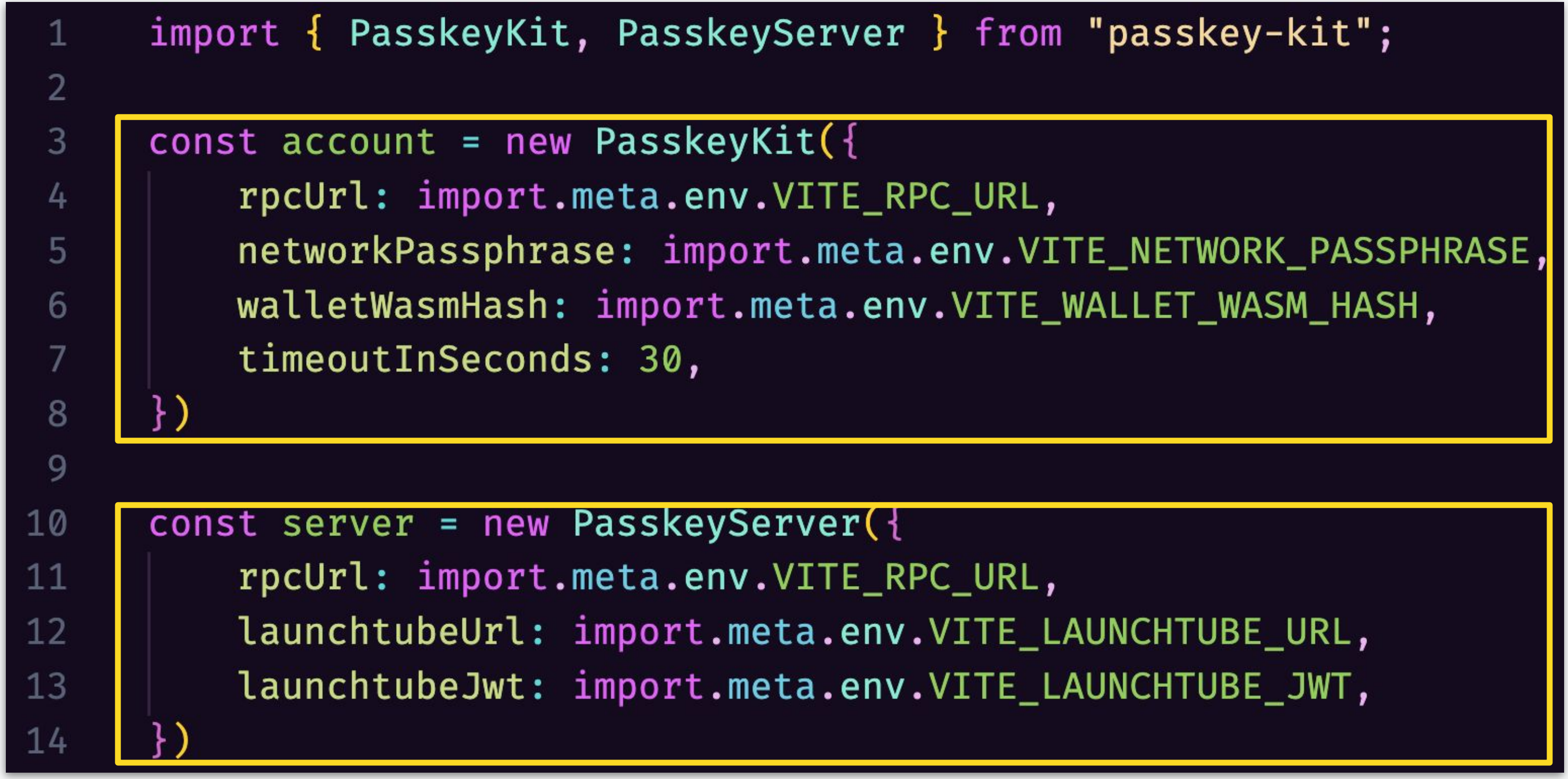
No wallet plugin integration for your frontend

Super simple to setup and get started

Your users are automatically on-chain

LOOK AT THAT CODE!

Super Simple Passkey-Kit Setup



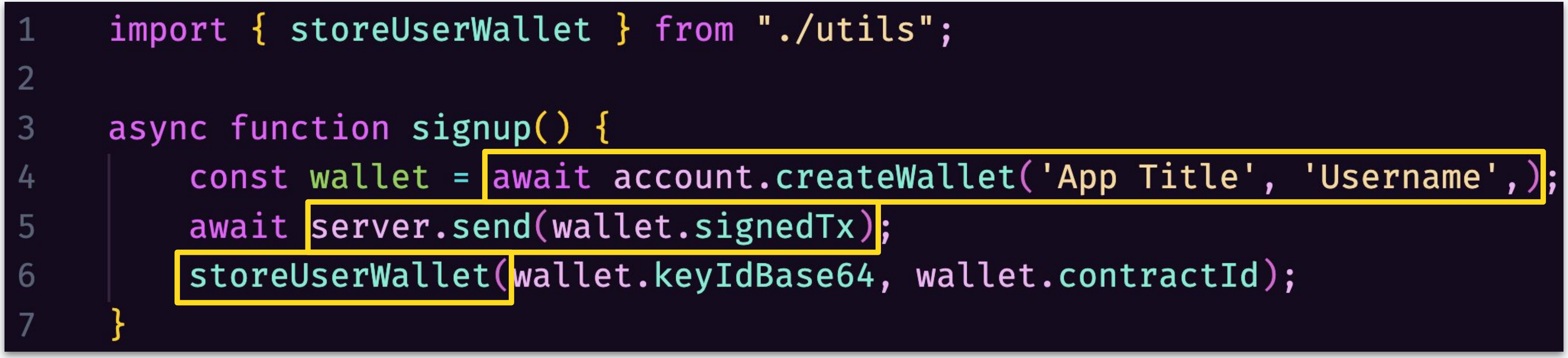
```
import { PasskeyKit, PasskeyServer } from "passkey-kit";

const account = new PasskeyKit({
    rpcUrl: import.meta.env.VITE_RPC_URL,
    networkPassphrase: import.meta.env.VITE_NETWORK_PASSPHRASE,
    walletWasmHash: import.meta.env.VITE_WALLET_WASM_HASH,
    timeoutInSeconds: 30,
})

const server = new PasskeyServer({
    rpcUrl: import.meta.env.VITE_RPC_URL,
    launchtubeUrl: import.meta.env.VITE_LAUNCHTUBE_URL,
    launchtubeJwt: import.meta.env.VITE_LAUNCHTUBE_JWT,
})
```

LOOK AT THAT CODE!

Super Simple Signup Function

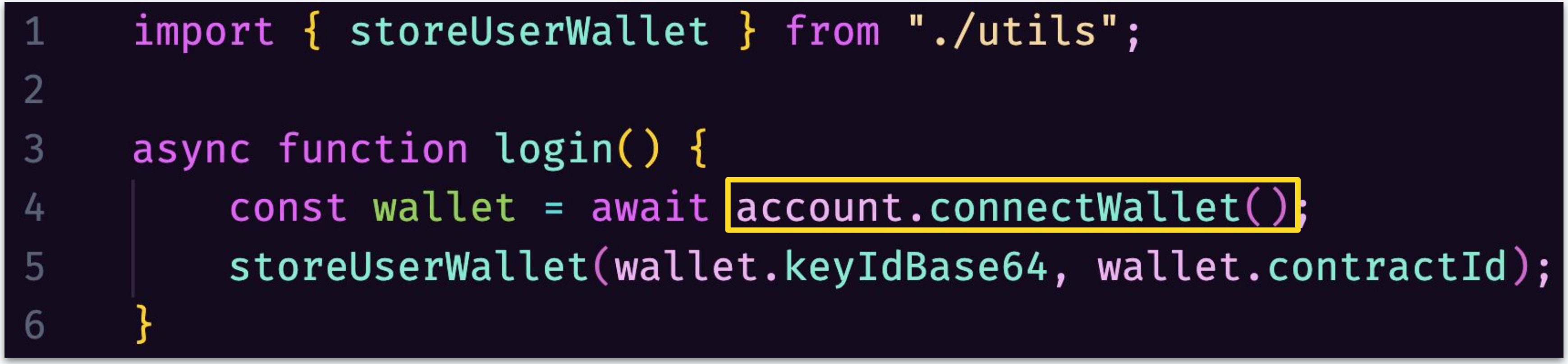


```
import { storeUserWallet } from "./utils";

async function signup() {
    const wallet = await account.createWallet('App Title', 'Username',);
    await server.send(wallet.signedTx);
    storeUserWallet(wallet.keyIdBase64, wallet.contractId);
}
```

LOOK AT THAT CODE!

Super Simple Login Function

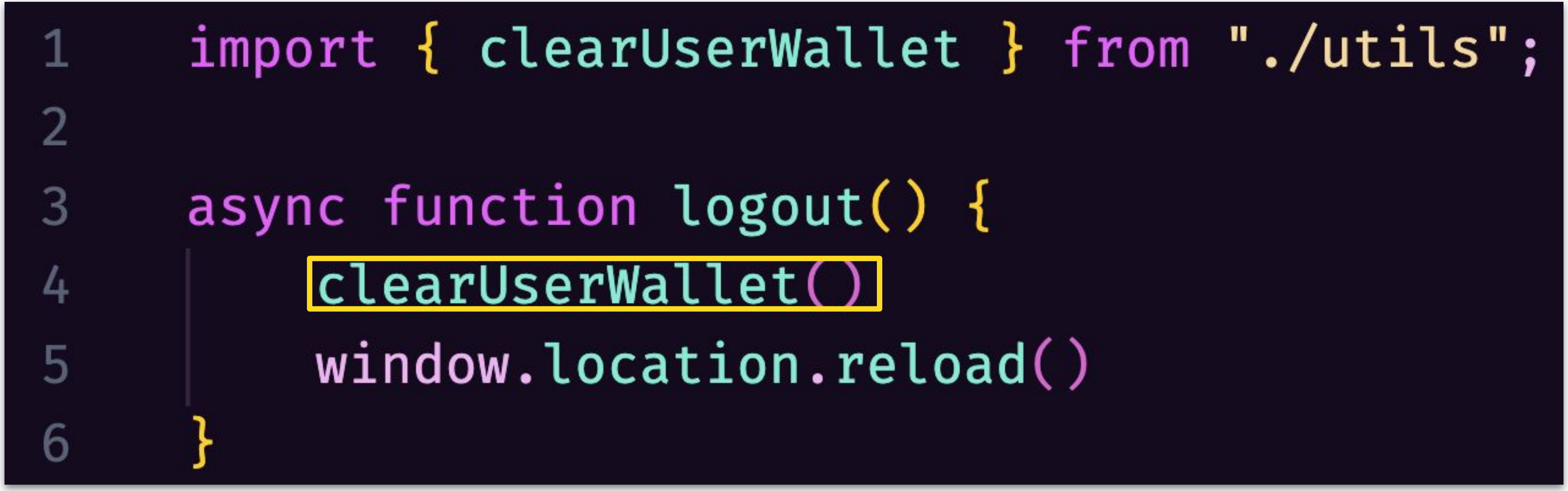


```
import { storeUserWallet } from "./utils";

async function login() {
    const wallet = await account.connectWallet();
    storeUserWallet(wallet.keyIdBase64, wallet.contractId);
}
```

LOOK AT THAT CODE!

Super Simple Logout Function

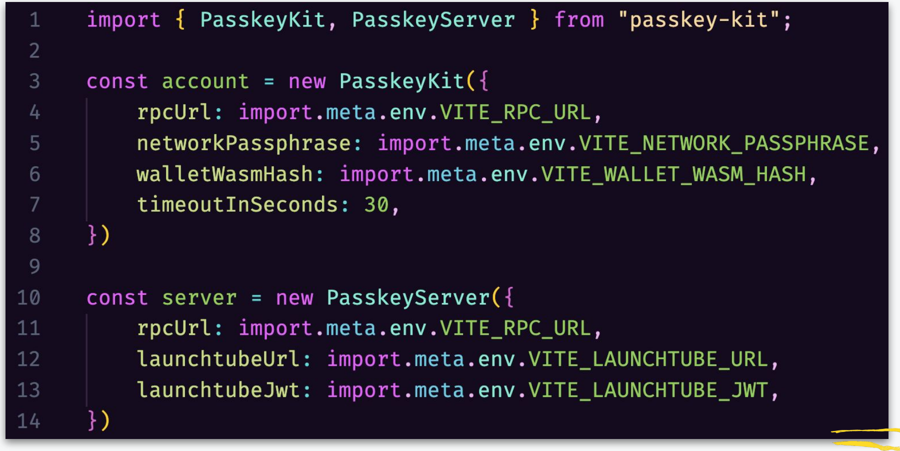


```
import { clearUserWallet } from "./utils";

async function logout() {
    clearUserWallet()
    window.location.reload()
}
```

LOOK AT THAT CODE!

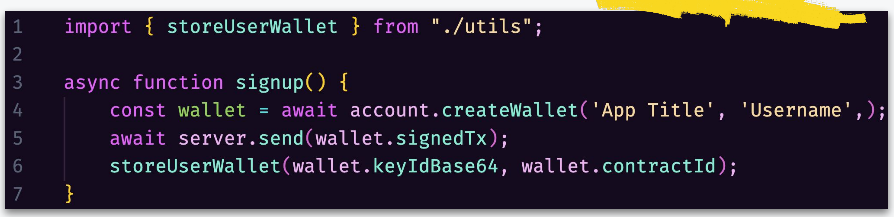
All your wallet packages are belong to us



```javascript
import { PasskeyKit, PasskeyServer } from "passkey-kit";

const account = new PasskeyKit({
    rpcUrl: import.meta.env.VITE_RPC_URL,
    networkPassphrase: import.meta.env.VITE_NETWORK_PASSPHRASE,
    walletWasmHash: import.meta.env.VITE_WALLET_WASM_HASH,
    timeoutInSeconds: 30,
})

const server = new PasskeyServer({
    rpcUrl: import.meta.env.VITE_RPC_URL,
    launchtubeUrl: import.meta.env.VITE_LAUNCHTUBE_URL,
    launchtubeJwt: import.meta.env.VITE_LAUNCHTUBE_JWT,
})
```



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async function signup() {
    const wallet = await account.createWallet('App Title', 'Username',);
    await server.send(wallet.signedTx);
    storeUserWallet(wallet.keyIdBase64, wallet.contractId);
}
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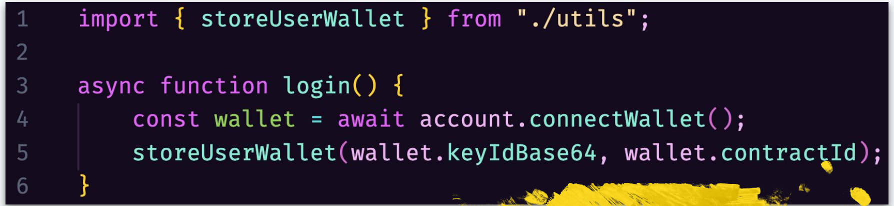
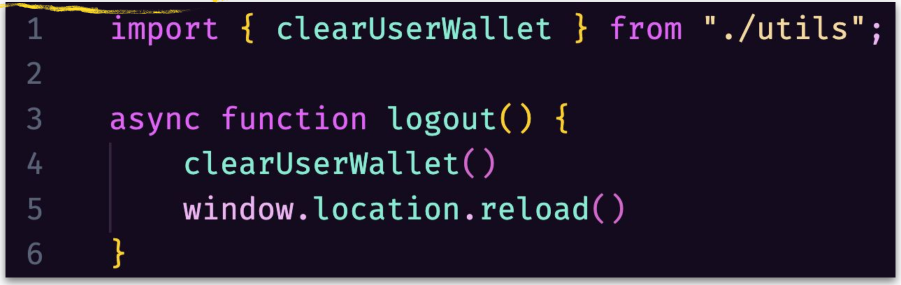


```javascript
import { storeUserWallet } from "./utils";

async function login() {
    const wallet = await account.connectWallet();
    storeUserWallet(wallet.keyIdBase64, wallet.contractId);
}
```

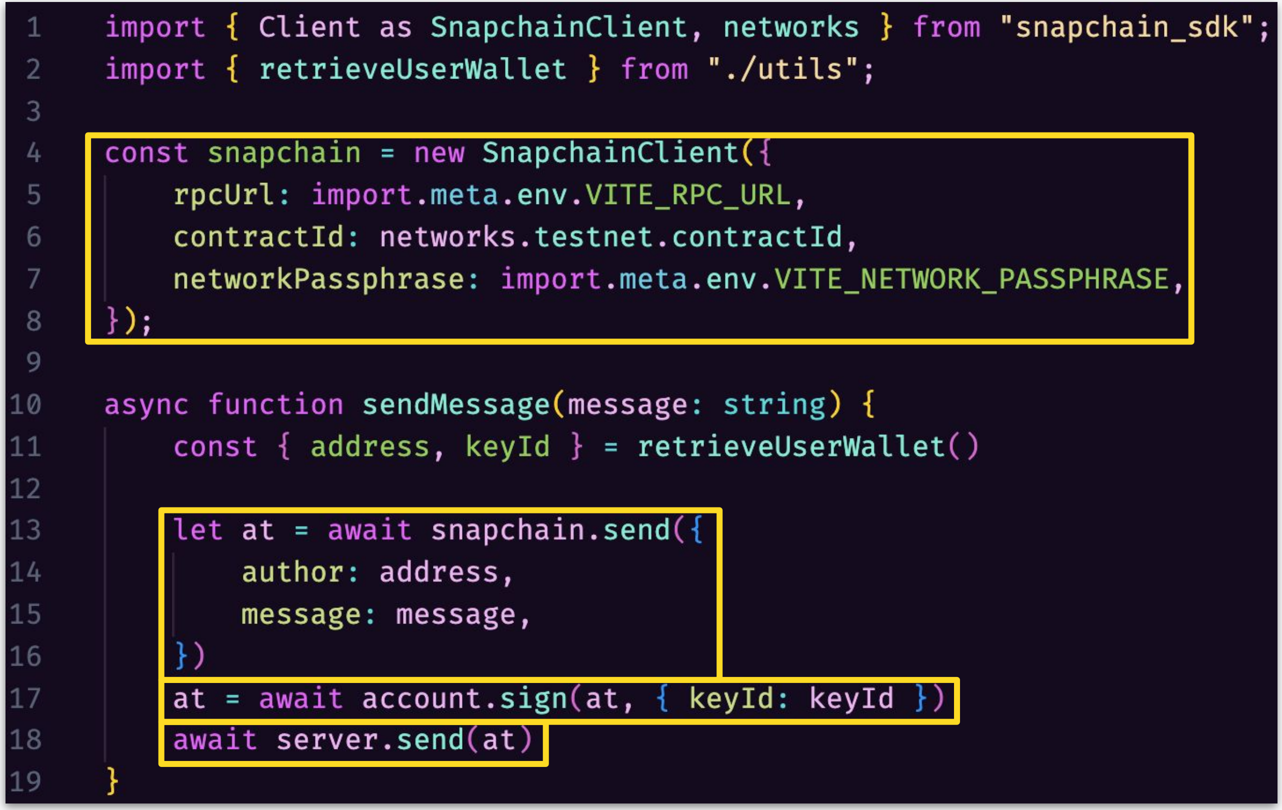


```javascript
import { clearUserWallet } from "./utils";

async function logout() {
    clearUserWallet()
    window.location.reload()
}
```

LOOK AT THAT CODE!

Super Simple Send Message Function



```
import { Client as SnapchainClient, networks } from "snapchain_sdk";
import { retrieveUserWallet } from "./utils";

const snapchain = new SnapchainClient({
    rpcUrl: import.meta.env.VITE_RPC_URL,
    contractId: networks.testnet.contractId,
    networkPassphrase: import.meta.env.VITE_NETWORK_PASSPHRASE,
});

async function sendMessage(message: string) {
    const { address, keyId } = retrieveUserWallet()

    let at = await snapchain.send({
        author: address,
        message: message,
    })
    at = await account.sign(at, { keyId: keyId })
    await server.send(at)
}
```

NOW GET TO IT!

Play with the demos

Smart Stellar Demo (site) (source)
React (source)

Snapchain Demo (site) (source)

Play with passkeys & AI

Smol will generate AI masterpieces!

https://smol.xyz

Farm some KALE

A homegrown Stellar memecoin

https://kalefarm.xyz

Start building!

Developer Documentation

Passkey Kit

Launchtube

DevContainer Template Repo

Hackathon Resources