



team ækiti æmbassy

What is Superchat?

Superchat is a Decentralized Finance(Defi) chat **æpp**
built mainly for the **Superhero.com** platform at
<https://superchat.aekiti.com>



Why Superchat?

Unlike the traditional chat apps, Superchat has a higher level of security. Since the private key is only kept with each user and the public key is used for transactions. Things like hacking will be near impossible.

- ⚡ Users chat securely with friends and family.
- ⚡ It makes sending of AE tokens as easy as sending messages to a friend.
- ⚡ It will have group chat functionality that enables a sender to send funds to the members of a group.



Superchat implementation



Superchat is built on **æternity** blockchain and it uses **ReactJS** for its Front-End implementation. It's an open source platform on GitHub at <https://github.com/aekiti/superchat>.

The repository contains source codes that sum up superchat. It has the smart contract written and tested with the **AEproject** tool. It has its wallet created using the **AECLI** tool.

The react Front-End implementation uses the AEproject React shape that follows the theme and layout of the [Superhero.com](https://superhero.com) platform.



How Superchat works.



Superchat runs with three smart contracts that help solve the aim of the chat app.

The contracts are **SuperChatProfile**, **SuperChatFriend**, and **SuperChatMessage**.

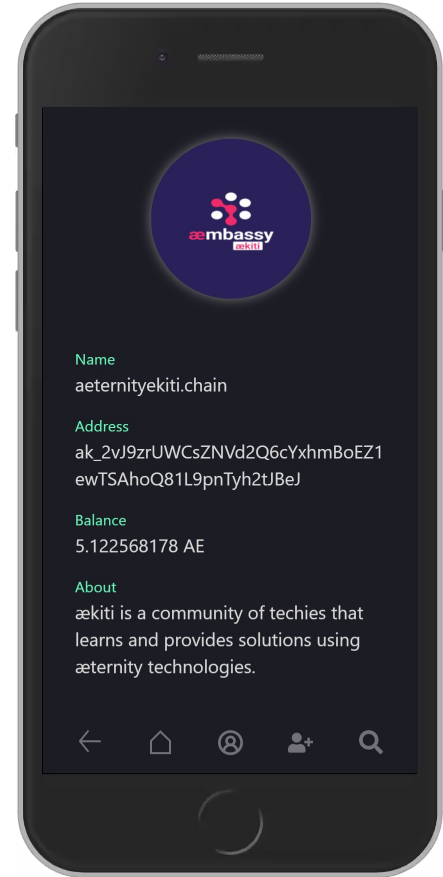
The SuperChatProfile contract starts the authentication flow by registering a user and getting the user details. The SuperChatFriend contract connects remotely with the ProfileContract in order to send friend request, accept or reject friend request, get friend request, and finally get each user friend list.

Lastly the SuperchatMessage contract performs the work of sending messages and even AE tokens to friends as a message



Demo

<https://superchat.aekiti.com>



Conclusion

Contract Demo

Testing the Superchat contracts can be done using the `aeproject test` command which should return a similar output: *24 passing. There is no sophia test to execute.*

Team Research

The team voted and chose the chat æpp after performing personal reviews on the 10 different ideas. After this we researched possible questions that could be asked. The research with more information can be seen in the submission directory of the superchat GitHub repository.



Thank You

