

GIOVANNI MAGOGA

ma9o.github.io

WORK EXPERIENCE

Co-founder, Stonkify

May 2021 - Present

team with friends from passbase and cambridge. 3 tech foudners. in the process of finishing mvp before pitching to vcs.

Co-founder, Hangoo in

November 2020 - March 2021

taking care of the software side. team from columbia, max plank institut. raised 700k usd. left before incorporation for vision divergence

Software Engineer, Passbase in

March 2019 - September 2020

Joined the company right after inception as 1st engineer and experienced all the challenges of a growing organization. I've been closely working with the founding team (Standford, Google, TUM) to translate business requirements into product features, which contributed in growing the enterprise customer base from 0 to 50+. Substituted CTO. witnessed the largesd seed round in europe. cowboy, eniac. Kept in touch with the founders

SIDE PROJECTS

Delegated authentication over TLS

Passbase OSS, August 2020

An online identity can be scattered across many different providers, all of which might not be implementing a delegated authentication protocol such as SAML or OpenID. A service provider willing to authenticate users against such a service would have to request access to their credentials and possibly face GDPR issues. In this scenario the service provider can still preserve his users' privacy via a distributed usage of AES CTR mode and TLS session tickets, as long as the identity provider is securing his API with TLS 1.3 and AES bulk encryption.

Curation market for Brave ads network

Coding challenge, March 2019

Brave is a Chromium-based web browser with a client side advertising engine which doesn't record personal data. Such ads are sampled from a candidates pool managed by a central authority which is responsible for maintaining the quality of the ad network high. A decentralized ranking algorithm can be put in place through a curation market, which I implemented in a smart contract (using Bancor) that can be interfaced with a browser extension.

Anonimized Aragon voting app

Coding challenge, January 2019

The Aragon network allows organizations to operate through a decentralized and permissioned framework. Organizations with such a requirement might also need anonymity of transactions, which is not (as of Jan. 2019) provided out of the box by Ethereum. Authority with anomomity can be hereby achieved through ring signatures in the browser, which I implemented with a Python library transpiled into C++ and then compiled into WASM.

EDUCATION

Georg August Universitaet Goettingen

October 2018 - March 2019

Software Engineering, exchange year (attended MSc courses since BSc was in german)

Universita degli Studi di Trento

September 2016 - September 2018

BSc Computer Science