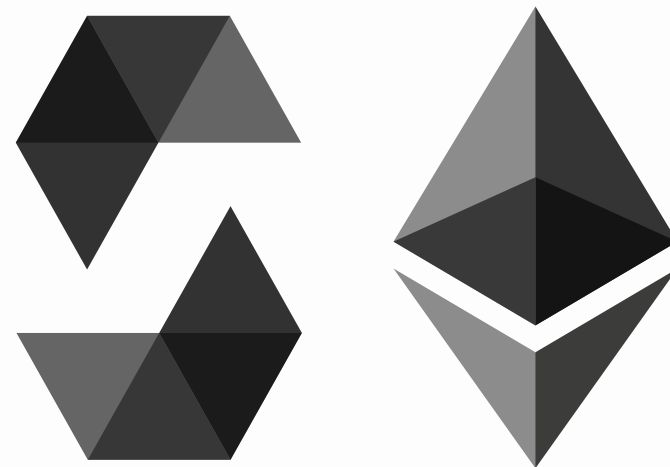


Introdução

Smart Contract

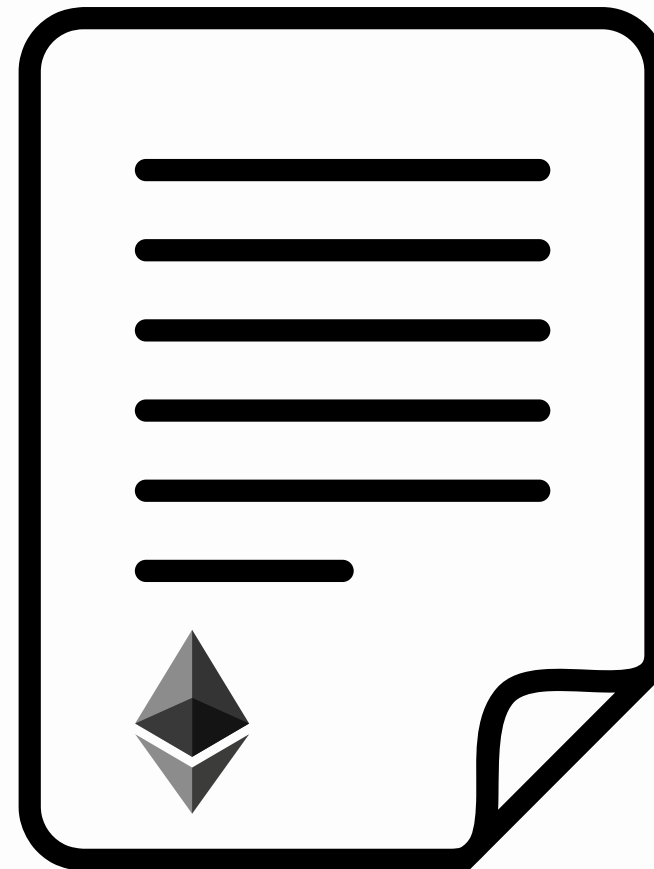


Josué Santos

Caxias-MA

Smart contract

programas autoexecutáveis
que operam em uma
blockchain



01 Solidity, Rust, Python

02 Permitem automatizar acordos, transações e processos sem a necessidade de intermediários.

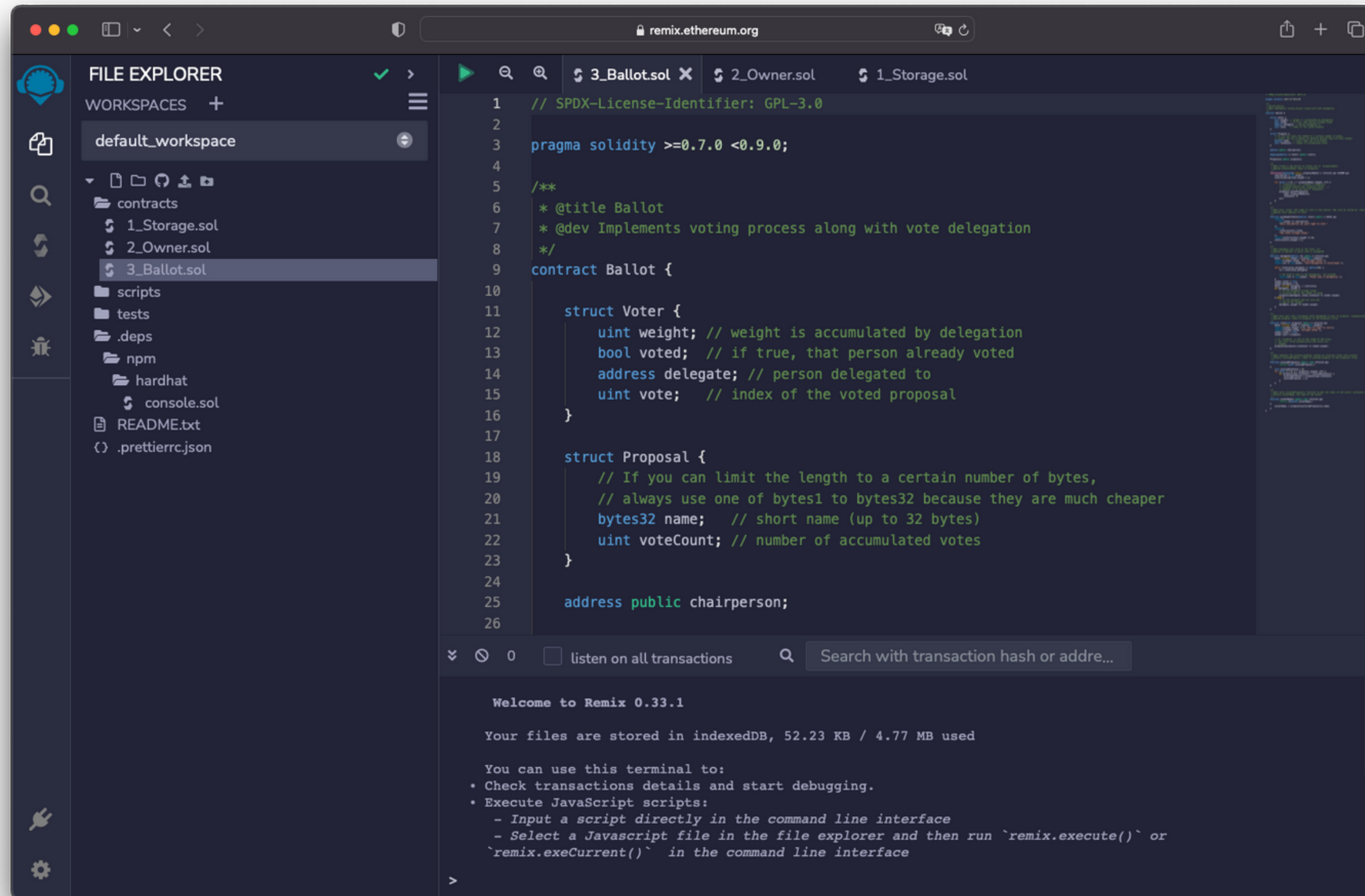
03 Transparentes, imutáveis e executados conforme definido.

Solidity

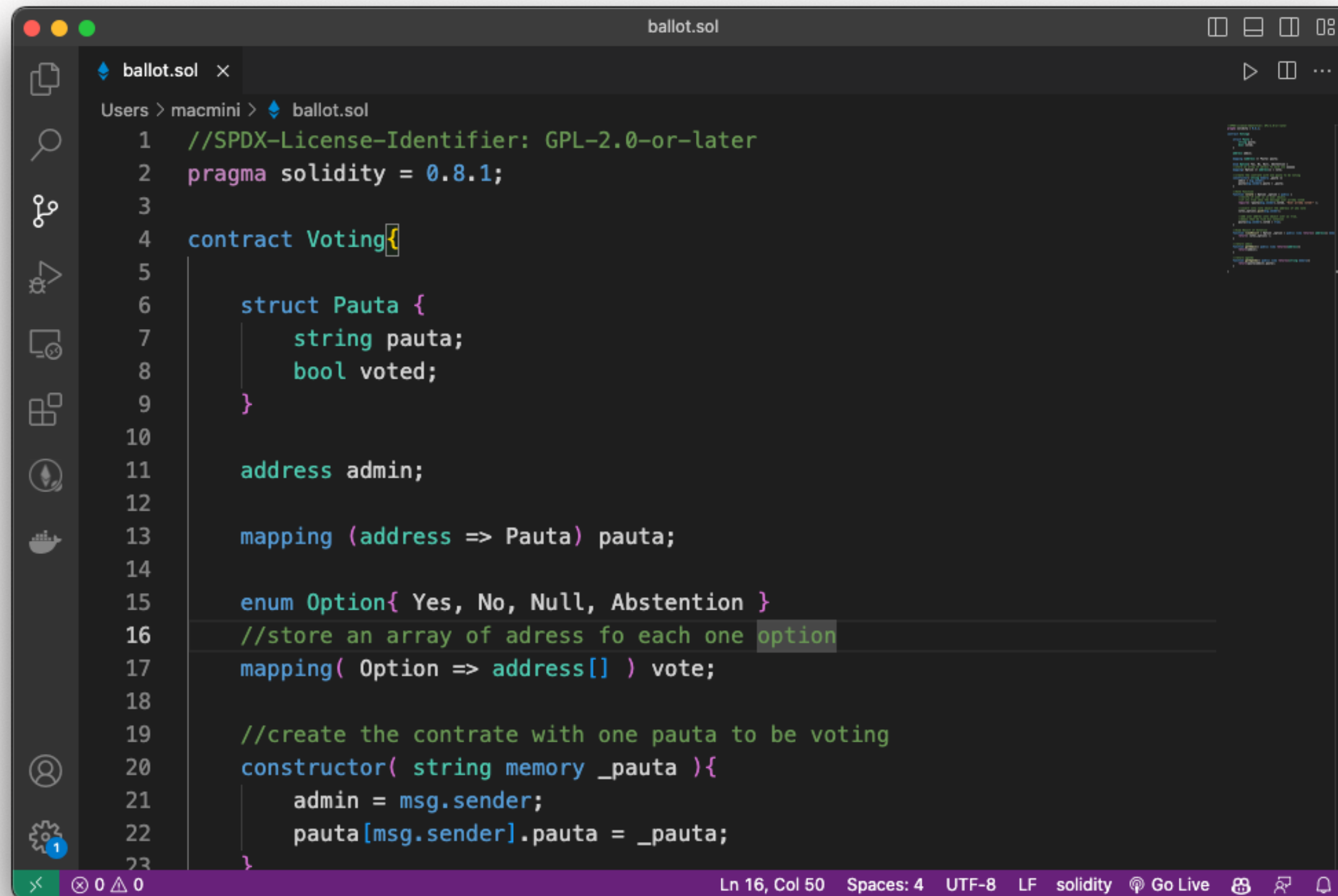


- 01** Criada em 2014 por Gavin Wood e Christian Reitwiessner.
- 02** Proposta como uma linguagem de programação para escrever contratos inteligentes na blockchain Ethereum.
- 03** Inspirada em linguagens como JavaScript, C++ e Python.

Remix IDE



Contrato de votação



```
ballot.sol
Users > macmini > ballot.sol
1 //SPDX-License-Identifier: GPL-2.0-or-later
2 pragma solidity = 0.8.1;
3
4 contract Voting{
5
6     struct Pauta {
7         string pauta;
8         bool voted;
9     }
10
11     address admin;
12
13     mapping (address => Pauta) pauta;
14
15     enum Option{ Yes, No, Null, Abstention }
16     //store an array of adress fo each one option
17     mapping( Option => address[] ) vote;
18
19     //create the contrate with one pauta to be voting
20     constructor( string memory _pauta ){
21         admin = msg.sender;
22         pauta[msg.sender].pauta = _pauta;
23     }
24 }
```

The screenshot shows a code editor window titled 'ballot.sol'. The code is written in Solidity and defines a 'Voting' contract. It includes a license header, a pragma statement for Solidity 0.8.1, and a 'Voting' contract. Inside the contract, there is a 'Pauta' struct with 'string pauta' and 'bool voted' fields. It also has an 'admin' address, a 'pauta' mapping from address to Pauta, an 'Option' enum with values Yes, No, Null, and Abstention, a 'vote' mapping from Option to address[], and a constructor that initializes the admin and the first pauta entry.

Contrato para uma NFT



Isso é tudo pessoal



Josué Santos

Desenvolvedor Flutter/Solidity

<http://github.com/orcus69>

josusantos@gmail.com