WAYRU - Technical Challenge

Position: Full-stack Web3 developer:

You must build a dApp with the following characteristics:

- Website built with React. The site should have a set of basic styles,
  it's a plus the use of SCSS. (10%)
- The site must be deployed with a server-less infrastructure that
  consumes at least one backend endpoint, to send an email to you
  and whoever uses a contact form with a copy of the data filled out
  in the form. (30%) In server-less functions or Backend API,
  the use of TypeScript is considered a plus.
- The site shall do consistent error handling. For example, in the
  contact form, if a field is missing, or is filled with unexpected information
  (eg, a text instead of a number for a telephone field), the site should show the
  user why that field is not it has been filled out correctly. (10%)

- The core functionality of the dApp will be a purse manager.

  The purse manager is associated with an account (tip: use Metamask) with ETH, but it's a plus
  if done on the Algorand's blockchain (MyAlgo Wallet)
  - Each purse itself is a smart contract, allowing funds to be accepted by direct transfers
    from an account to the purse manager address, or via the graphical interface. The purse
    should show the current balance. The purse must allow its owner to withdraw the funds.
    No one can withdraw the funds unless they own the purse.
  - Contracts must be deployed on a TestNet. The use of TDD is rewarded. (50%)

  Delivery time is discounted, that is, if you have a maximum of three days to deliver the test, but
  it is delivered in two, there is a weighted bonus for early deliver, but it only applies if
  everything is correct, (we prioritize functionality over time so take your time to deliver
  functional code).

  The submit of this test should include: the public repository with the code of your solution. URL
  where the solution can be accessed. Public network on which smart contracts were deployed.

  If you have any questions, please to edward@wayru.org and charvel@wayru.org and we will
  get back to you as soon as possible.