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Crypto

Student

Internship

Week 1

Tasks

1. Create a git repository

Sign up or log in into your Github account and create a new repository.
Add the following users with read permissions to the created repository:

- abotic
- mmarinovic
- mradmilovic
- nebojsaveron

You will use this repository for the entire internship and commit all code changes here.

2. Set up deployment

Sign up for a free Netlify or Vercel account and connect it with the Github repository you created.
You will use this to deploy changes and share them with the team.

3. Create and host a React.JS app

Create a Hello world app using React.JS. You can bootstrap it using create-react-app or Next.Js framework.

You can feel free to use Material UI or Tailwind for faster frontend development.

Commit the whole app codebase to the created Github repository. Host the created app on Netlify so you can access it in the browser via URL.

Tasks

4. Research the following topics

Git

Get the basic understanding of Git. Learn how to clone a repository, how to create a new branch, commit changes, push changes to the remote repository etc.

React

Go through React basics and get familiar with its syntax and concepts. You should already be familiar with HTML and CSS before doing this research. You can find some basic tutorials on <https://reactjs.org/tutorial/tutorial.html> but feel free to explore the web. Udemy is a great source of video materials if you like to watch tutorials.

Ethereum blockchain

Get familiar with Ethereum blockchain and its basic concepts. You should understand terms like ether, address, block, transaction, networks, gas and smart contracts.

You can find useful information on <https://ethereum.org/en/developers/docs/intro-to-ethereum/>. Another great resource for blockchain technology is <https://academy.binance.com/en>.

After you are familiar with basic Ethereum concepts, read about Solidity programming language and Ethereum development tooling like web3.js, Truffle Suite and Ganache. Good starting point is bootstrapping the hello world app with Truffle Suite and deploying it to Ganache network.

You might also want to look up ERC20 standard, Etherscan, Metamask and Walletconnect, it will come handy for the following weeks of internship.

Good luck!