Nauman Zia

Pakistan

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in [Nauman Zia](#)

Summary

To be a Blockchain developer in an organization that will utilize my skills and experience in Smart Contracts, DEFI and MEV trading bots.

Education

University of Engineering and Technology, Lahore

Bachelor of Engineering - BE, Mechatronics Oct 2016 -

Jan 2021

Superior Group of College

Faculty of Science, Pre-Engineering

2014 - 2016

Eastern High School

Matric, Science

2012 - 2014

Skills

- ➢ Blockchain
- ➢ Ethereum
- ➢ NodeJS/JavaScript/Typescript
- ➢ Solidity
- ➢ Smart Contracts
- ➢ Fungible and Non-Fungible Tokens Development
- ➢ Research and Development (R&D)

Projects

Interacting with Uniswap using libraries like ethers.js and web3.js

Familiarization with all six types of swaps of Uniswap protocol and have implemented all on the Rinkeby and Ropsten testnet, used human-readable ABI to interact with the router contract of Uniswap without using @uniswap/SDK. I used truffle for development purposes but I am also getting used to hardhat for better and more advanced development.

Developed a couple of listeners on Ethereum Mainnet and Testnets

1st one listens for specific events like a new LP-pair being created on a Decentralized Exchange and 2nd listens for incoming transactions in the mempool. For LP pair, I used the factory contract human-readable ABI and for mempool I used url.getTransaction(tx).

Developed a simple trading bot that buys and sells of a predetermined algorithm.

For the development of this bot, I didn't use ABI but created contract files of Router, WETH and DAI, and coded the functions needed for interacting with these smart contracts, imported the .sol files artifacts in the script and performed the swaps. Everything was hardcoded but I am working on making it buy when the liquidity is being added to the newly launched token. This feature can be helpful for Just in Time Liquidity attacks for newly launched tokens.

Theoretical understanding of MEV and MEV Bots

The different forms of value that can be derived from transaction ordering by whoever is producing the block in the Ethereum network is termed as Miner Extractable Value (MEV). I have studied MEV and followed the most recent cases of MEV opportunities and attacks. One of my favourite ones is the salmonella bot where the MEV bot gets trapped because other MEV bots are just betting on races after they knew the results. I use ethtx.io for decoding what happened in an attack.

Decentralized Autonomous Organization Development

I created a DAO, having functionality of NFT MINT, Airdrop of the governance token to NFT holders, Vote casting on a proposal presented by Devs, It has a treasury that is only accessible to Dao's contract.

Licenses & Certifications

JavaScript Algorithms and Data Structures - freeCodeCamp

Succeeding in Web Development: Full Stack and Front End - LinkedIn

Honors & Awards

The Punjab Educational Endowment Fund (PEEF) - Punjab Government 2017

Awarded with the scholarship in 2017 during my second year of Bachelors in Mechatronics Engineering and availed the same scholarship until I graduated from the University of Engineering and Technology, Lahore.

HEC Fully Funded Scholarship – HEC Pakistan 2016

Awarded with HEC fully funded scholarship which includes full coverage of university tuition fee plus monthly stipend for the year of 2016.

Prime Minister's Laptop Scheme-HEC - HEC 2014

Awarded with a Laptop on the basis of my Pre-Engineering Grades.