**Mohan G**

Blockchain Developer

Work Experience:

**HCL Tech**  **5’Jul - Present.**

**Senior BlockChain Developer.**

** Javascript ,Node js ,Solidity,Hedera.**

**PerpetualBlock.io , Pune. 22’Aug-May’23**

 è **Loyalty Portal** is an Reward project, whenever user buys product based on product price user will get loyalty.

**BlockChain Developer.**

**Javascript ,Node js ,Solidity.**

è **Nftrove** is an NFT marketplace where users can upload any artwork and buy, sell , and mint it. Worked mainly smart contract integration using Web.js , backend writing smart contract and testing the smart contract with all possible test cases.

**Technology :** React Native,node js,PostgresQL,web.js,Solidity.

è **ProteanPay** ProteanPay is a payment portal for doing bulk payment of invoices with AMRIT crypto token . Payer from Curia Marketplace is redirected to ProteanPay for doing payment.Worked on backend code using Node js .

è **Amrit Token :** Amit Token is an ERC20 standard and by using these token Hospitals or researches can by the patients data. In future patients can sell their tokes in Dex exchange. Worked on writing smart contract as per Business logic and Analyzing, testing smart contract.

**Technology :** Solidity ,Slither,Mocha,Chai,Certik.

**Phone No :** +91 9880260114

**Mail Id :** mohang.mng@gmail.com

**Subex Ltd, Bangalore** 19’Jun-22’Aug.

**Senior Software Engineer.**

* **Javascript ,Node js ,Solidity,Hadoop.**

è Corex Token is an ERC20 standard , by using Corex token users can buy and sell Properties in Dubai. Worked on writing smart contract ,Auditing and testing smart contract

**Technology :** Solidity ,Binance,Chai,Mocha,Slither.

**Projects list:**

è PBDAO is a Decentralized Autonomous Organization project. Intention of this project is to fund the Good idea/startup company by owning the intellectual property rights. Worked on writing staking and PBDAO token smart contract.

**Technology :** Solidity ,Polygon ,Chai,Mocha,Slither.

è **Decentralized loan management system using DAML** .The Objective of this project is Develop a Loan Management System using DAML that directly connects lenders and borrowers, automating the entire lending process from application to repayment.

**Technology :** DAML,DAML studio, DAML-compatible ledger.

è Developed a project to sign a message and verify the signature.

è Developed a smart contract using ERC777, ERC1155,ERC722 standards.

èWe have also implemented Timelock smart contract and Multisignature smart contract (Gnosis safe).

è I have Good knowledge of how prevent Reentrancy attack, Denial of service attack etc.

è Good knowledge about upgradable smart contracts.

èWe have also kept Amrit token in Uniswap Exchange.

**TypeScript,Node js ,Solidity,Hardhat**

è **Loyalty Token :** Loyalty tokens are implemented for the e-commerce platform. Based on user purchases and campaign-specific business logic, loyalty tokens are awarded to users. We also allow users to exchange these loyalty tokens for Ethers.

**Technology :** React js,Mongo DB, Polygon,Solidity,Nodejs,Typescript.

**TypeScript , Node js,Express JS**

è **Zagg E-commerce :** Zagg is a client for the e-commerce project. I worked on various features, including the homepage, add to cart, and purchasing products with order details. Based on user purchases, we recommend products to the users.

**Technology :** React js,Mongo DB,Nodejs,Typescript.

1. We have also implemented a Login page using user address (removed the older version like username and password login).
2. very experience in building a Bridges between Main network and Polygon network .
3. I have good knowledge of Polygon L2 solutions .
4. I have Good knowledge of writing smart contract using Rust programming language.
5. I conducted comprehensive testing using various tools such as Fuzzer,Static Analyzer , Slither etc.
6. also worked in Zk Sync Testing for Layer 2 scaling .
7. Implemented Upgradable smart contract using Diamond standard (EIP-2535) and proxy contract using EIP-1822.
8. Integrated ChainLink price feeds and VRF for getting Ethereum real time price.

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|  | **Technical Skills.** |

* **Languages :** Javascript,Solidity ,Pyteal,Python,basics Java , Rust, Solana.
* **Database:** MongoDB,Postgres,SQL,DAML.
* **Framework :** Nodejs,ExpressJs,Web3.js,Ether.js,Snapshot.js,Algorand SDK,React js.
* **Blockchain:** Ethereum,Polygon,Algorand,Hedera,Solana.
* **Blockchain Testing Frramework :** Truffle ,Hardhat.
* **Cloud :** AWS , Google cloud.
* **Testing Libraries :** Mocha Chai,Jest .
* **Tools :** VScode,Postman,Ganache.

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|  | **Education** |

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| **2017-06 - 2019-06** |  | **Master of computer Application** |

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|  | **Accomplishments** |

* Received Excellence Award for Outstanding Performance.
* Received Pat on Back Award for Automation.
* Completed Microsoft Azure AI-900.

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|  | **Interests** |

* + - Watching Movies.
    - Playing Cricket.

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|  | **Github**  <https://github.com/kumarmohang> |