Vishant Mittal

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BIO

I'm a blockchain developer with over 4 years of experience focusing on smart contract design, development, and security. Most of my work revolves around Solidity and building reliable, gas-efficient contracts on Ethereum, Polygon, and BSC, with some experience on Solana & Hyperledger.

I care a lot about security and audit readiness, following best practices, writing thorough tests, and reviewing contracts for edge cases or vulnerabilities before deployment. I've built and maintained DeFi protocols, token systems, and on chain utilities, always aiming for code that's clean, maintainable, and easy to reason about.

Beyond smart contracts, I also work on backend systems using Node.js and TypeScript, connecting blockchain logic with APIs and services that keep decentralized apps running smoothly. I enjoy solving complex integration problems and making things actually work in production.

KEY COMPETENCIES

Solidity	Javascript	Foundry
Node JS	Hyperledger	Docker
Ethereum	RabbitMQ	Hardhat
Web3/Ethers	Websockets	Solana

PROJECTS

- **YSN EXHANGE**

  This is a VARA approved exchange. It is a platform where users can buy, sell or swap crypto. Main objective here was to let the user dabble in crypto irrespective of the blockchain they deal in. KYC verfication is required and some 3rd party apis have been used for wallet screening , travel rule for UAE regulations and KYC.

- **DID Certification Platform (Hyperledger)**

  This was a DID-based certificate system built on Hyperledger Fabric for migrating old government-issued certificates and issuing new verifiable digital ones. The goal was to make certificate access and verification simple, users could just log in through the DID app and view their verified certificates without depending on paper copies. I worked on the smart contract logic and data migration, integrating the system with existing state and central databases to ensure everything stayed secure, tamper-proof, and easily verifiable.

- **ULTRADE EXCHANGE**

  This is a orderbook based exchange on the Algorand blockchain. It had a simple methodology where orders were even fulfilled partially by a matching engine. It was not a centralized exchange per se. Pools/Pairs were created on a smart contract and the matching engine matched open orders.

PROFESSIONAL EXPERIENCE

Web5 Solutions Pvt. Ltd.   **July 2024 - Present**
Blockchain Developer

Accomplishments:

- Completed 4 Defi ,2 wallets and 1 Nft based full end to end projects.
- Developed a **Centralised exchange** to buy and sell crypto using fiat.(VARA approved platform)
- Developed an **on chain mass messaging platform** on Base network achieving 1 Million messages(transactions) a day. **(Smart contract & Golang based backend)**
- Developed a **cross chain Bridge** using smart contract and relayer service.
- Developed an EVM based wallet from scratch.(decentralised, pvt keys in local storage similar to metamask)
- Designed & Developed an DID certificate migration and issuance system for state & central govt issued certifcates on the **hyperledger chain**.

Chainrisk Pvt. Ltd.   **March 2024 - May 2024**
Blockchain Developer(Contract Role)

Accomplishments:

- Worked on the risk layer prototype for economic risk management for different protocols.
- Worked on the simulation engine to create simulations of different scenarios/exploits/hacks using forks.
- Created those simulations using forks and writing scripts for different protocols/their smart contracts.
- Worked on the public dashboard using global data of different blockchains.(similar)
- Created an in browser code writer/editor for writing different scenarios.(solc compiler)

Antier Solutions   **Nov 2021 - March 2024**
Blockchain Developer

Accomplishments:

- Developed 7+ scalable and efficient backend for decentralized applications and worked on modules in others
- Worked on 3+ front-end projects to help deliver user friendly interfaces for blockchain platforms.
- Worked with smart contracts and Ethereum to integrate blockchain functionality into decentralized applications.
- Managed databases such as MongoDB and PostgresSQL to store and retrieve data for decentralized applications.
- Designed and implemented decentralized storage solutions using IPFS.
- Deployed decentralized applications on blockchain networks using DevOps tools.
- Participated in code reviews and contributed to the continuous improvement of development processes.

EDUCATION

Trinity College Dublin & Thapar Institute of Engineering and Technology (Exchange Program)

B.Tech/B.E. 2022 Graduate in Computer Science

PROJECTS

- **Wallets**
- **Transaction Relayer**
- **Trading platform**
- **Asset Tokenization platform**
- **Marketplace Portal platform**
- **Account Abstraction**

SOME PROJECT LINKS

- **YSN - https://demo.theqamr.com/**
- **Solana Token Launchpad - https://magic-boom.vercel.app/**
- **DEX Swap - https://mswap.finance/**