UZAIR SAIYED

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Summary

Seasoned **Full Stack Web2 & Web3 Developer** and **Security Auditor** with a proven track record in building cutting-edge **decentralized** solutions. Proficient in **Solidity**, **Foundry**, **NextJS**, **MERN**, and **TypeScript**, as evidenced by my contribution as a **Founding Full Stack Engineer at The League** and a **Full Stack Web2 & Web3 Intern** at Kyte Social, as well as winning the **Fantom Q1 2023 Hackathon** and **Theta Network 2023 Hackathon** on Devpost.

Smart Contract Audits

Solidity Smart Contract Audits | Audit Reports

- Conducted manual code reviews and tested smart contracts, using **Foundry** to write Proof-of-Concepts for identified vulnerabilities.
- Documented findings and proposed mitigations for vulnerabilities discovered during audits.

Experience

The League | Founding Full Stack Engineer   January 2024 – March 2024
Remote, USA

- Developed and tested smart contracts using **Solidity** and **Foundry** for EVM-compatible blockchains.
- Built frontend using **NextJS**, **TypeScript**, and integrated smart contracts with **Wagmi** and **Viem**.
- Enforced APIs using serverless architecture provided by **NextJS**.
- Collaborated on developing a competitive DeFi trading platform with team dynamics.

Kyte Social | Full Stack Web2 & Web3 Intern   April 2024 – Current
Remote, India

- Developed smart contracts with **Solidity** and implemented **ERC721**, **ERC1155** NFT standards using **OpenZeppelin**.
- Utilized **Factory Contract** pattern and implemented role-based smart contracts for token rewards with **ERC20** and **Chain Native Token** locking.
- Tested smart contracts using unit testing, fuzz testing, and invariant testing with **Foundry**.
- Signed off-chain messages for reward claiming from **NodeJS** server using **Web3JS**.
- Integrated smart contracts with frontend using **NextJS**, **Wagmi**, **Viem**, **EthersJS**, and **Web3JS**.
- Developed a user-friendly form **enabling rapid creation of custom NFT Collections, including both ERC721 and ERC1155 standards**, within seconds. Significantly **reduced time and effort for users by 90%** while abstracting underlying complexities
- Synced data to/from blockchain to **MongoDB** database for consistency and authentication.

Projects

Pumpkin Index Protocol | Live Demo | Github | Video Demo

- Winner of Fantom Blockchain Q1 2023 Hackathon on Devpost
- Key Technologies: **Solidity**, **Hardhat**, **NextJS**, **TypeScript**, **Shadcn-ui**, **Framer-motion**
- Developed a **DeFi protocol** for creating and managing crypto indexes on **Fantom Blockchain**
- Implemented features for index creation, management, issuance, and redemption with 0-1% token fee per year

ThetaFans | Live Demo | Github | Hackathon | Video Demo

- Winner of ThetaChain Blockchain 2023 Hackathon on Devpost
- Key Technologies : **Solidity**, **Hardhat**, **NextJS**, **Theta Blockchain**, **Theta Video API**
- Eliminated costly intermediaries, by utilizing the decentralized network of video providers
- Utilized **Theta Video API** for efficient video streaming through decentralized network
- Implemented monetization features like **multi-tier subscriptions**, **NFT-gated video network**, and on-chain **proof-of-subscription**

Mintrrs | Live Demo | Github | Documentation

- Key Technologies Used : **NextJs**, **Foundry**, **Solidity**, **TypeScript**, **Tailwind**, **Wagmi**, **Viem**, **IPFS**
- **Artists** can sign up for the platform, where they can **upload multiple art layers** like eyes, nose, mouth, etc.
- The art layers are **combined and converted to arts at random**, which are then **pinned to IPFS**.
- The **images from IPFS** are used to **generate metadata dynamically**, and the metadata is **pinned to IPFS as a directory**.
- The **artist** can then **pay gas and create their own ERC1155 Collection**, and **accept payments in either Chain Native Tokens (e.g., MATIC for Polygon) or MockUSDC ERC20 tokens**.
- Implemented security measures like **prevention of XSS, NoSQL Injection, Parameter Pollution**

Certifications

- **Smart Contract Security and Auditing** on **Cyfrin** View Certification
- **Python Specialization** on **Coursera** View Certification
- **Node.js, Express, MongoDB More: The Complete Bootcamp** on **Udemy** View Certification
- **The Complete JavaScript Course 2024: From Zero to Expert!** on **Udemy** View Certification

Technical Skills

Programming Languages: *TypeScript, JavaScript, Solidity, Python, Java, Golang, SQL, MySQL*
Blockchain Development: *Foundry, Hardhat, Ethers.js, Web3.js, Wagmi, Viem, OpenZeppelin*
Web Development: *NextJS* (React), *Node.js, Express, Tailwind CSS*
Databases: *MongoDB, Prisma, MySQL*
Tools & Technologies: *VSCode, Git, GitHub, Docker, Remix IDE*

Position Of Responsibility

Web Development Expert - GDSC (Google Developer Student Club)
- Conducted a **2.5-hour seminar** on web development, covering **HTML**, **CSS**, **JavaScript**, **APIs**, and **Axios**
- Mentored students across different academic years, fostering their skills and interest in web development technologies
- Seminar project repository: GitHub Link

Achievements

- ∗ **Fantom Q1 2023 Hackathon Winner** on **Devpost** View Hackathon
- ∗ **Theta Network 2023 Hackathon Winner** on **Devpost** View Hackathon
- ∗ Served an 8-month term as GDSC (Google Developer Student Club) Web Development Expert

Education

Sarvajanik College of Engineering and Technology   June 2024
*Bachelor of Technology Computer Engineering (**CGPA** of **9.17**)*   *Gujarat, India*