

UZAIR SAIYED

Gujarat, India

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Summary

Web3 Security Engineer focused on smart contract auditing and full-stack development, with a track record of shipping secure blockchain solutions. Currently building developer tools at **BuildBear Labs** and previously performed security audits at **Nethermind**. Proficient in **Solidity**, **Foundry**, and **Web3 stack**. Proven ability to deliver under pressure, demonstrated by winning multiple blockchain hackathons including **Fantom Q1 2023** and **Theta Network 2023**.

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

BuildBear Labs | Web3 Solutions Engineer & Technical Content Writer

Jan 2025 – Present

Remote, Singapore

- Researched and created a wide range of BuildBear tutorials, including multiple in-depth **video walkthroughs**, for plugins like: **Across**, **LLFI**, **Pimlico**, and many more.
- Created end-to-end **CI/CD tutorials** for BuildBear, showcasing integrations with complex protocols like **Uniswap V4 with Foundry** and **Uniswap V3 with Hardhat**, covering setup & whitelisting, automated deployment, testing, etc, with GitHub Actions.
- Individually researched, built, and documented real-world use cases such as **Uniswap V3 swaps using Pimlico's Paymasters and Bundler**; created hands-on videos as well as written tutorials & documentation, demonstrating how these flows work inside BuildBear's **Sandbox environments** and their plugins.
- Published step-by-step tutorials integrating different protocols and products into BuildBear such as, **Batua**, **Chainlink**, and **PancakeSwap** using BuildBear.
- Worked cross-functionally with product, frontend, backend, and infrastructure teams to test upcoming features, uncover edge-case failures, and deliver detailed feedback based on black-box testing strategies.
- Helped unblock protocol teams lacking testnet infrastructure by showcasing how **BuildBear enables testing of bridge/swap logic** even where native testnets for **Across** or **LLFI** are unavailable; this drove early adoption, with both plugins receiving **50+ plugin access requests each** within the first month after announcement.

Nethermind | Smart Contract Auditor Intern

Sept 2024 – Dec 2024

Remote, United Kingdom

- Conducted security audits on various **Web3** protocols, including re-staking adapters, account abstraction paymasters, bridges, and governance modules.
- Reported vulnerabilities and provided mitigations to enhance the security of **smart contracts**.
- Audited protocols such as **Symbiotic Adapter**, **Tsuko Paymaster-As-A-Service**, **DeFx-Bridge**, **Mangrove Vault**, and **Berachain Governance & Proof-Of-Liquidity**.
- Analyzed smart contracts across **Solidity** and **Cairo** ecosystems.
- Identified **10+** findings during private audits, including several solo vulnerabilities.

Kyte Social | Full Stack Web2 & Web3 Intern

April 2024 – July 2024

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, ETH for Ethereum) or **MockUSDC ERC20 tokens**.
- Users can buy the arts from the collection on the platform, and the artist can **withdraw revenue** from their ERC1155 NFT Collection.

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
Bachelor of Technology Computer Engineering (CGPA of 9.17)

June 2024
Gujarat, India