

ISHAN MONDAL

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Technical Skills

Programming Languages: C++, JavaScript, TypeScript, Solidity, Go, SQL

Developer Tools: VS Code, , Git , Postman, Figma

Development Skills

Front-end

- HTML,CSS
- React.js
- Next.js
- Tailwind

Backend

- Node.js
- Express.js
- MongoDB
- MySQL

Blockchain

- Smart Contracts
- Hardhat
- Web3.js
- Ethers.js
- Thirdweb

Mobile & Cloud

- React Native
- AWS
- Firebase

Experience

FantomStarter

May 2023 – Present

Full Stack Blockchain Developer Intern

Amsterdam, Netherlands · Remote

- Developed and improved user interfaces for fs.exchange and FutureStarter **dApps**, focusing on usability and user experience..
- Implemented **swap** functionality for FS.Exchange, enhancing cryptocurrency trading capabilities.
- Integrated wallet functionality using the **Rainbow** framework for secure wallet management.
- Collaborated on blockchain projects using **Ethers.js** and **Web3.js** to interact with smart contracts and enable seamless integration.Utilized **Hardhat** for **Ethereum** development, ensuring contract testing and deployment.
- Leveraged Facebook's **Lexical** package to create a custom text editor from scratch in FutureStarter, showcasing advanced coding and user interface design skills.

Pepemon DAO

DAO

Blockchain Developer

Remote

- Contributed to the development and uasge of **ERC-1155** and **ERC-20** smart contracts for token functionality.
- Created an **NFT Marketplace** using **Thirdweb**, **ERC-1155** contracts, and **Marketplace v3** contracts, facilitating the exchange of digital assets.
- Integrated **Direct Listing** and **English Auction** features for the sale of NFTs in the marketplace.

Projects

GitNode | *Next.js, Node.js, MongoDB, AWS*

July 2022

- Developed a comprehensive full-stack web application featuring modern web technologies, including **Bootstrap**, **Next.js**, and **Node.js** on the backend. The application utilized **MongoDB** as the database and **AWS** for cloud hosting.
- Implemented **JWT** including the use of Auth0, and created a CMS with **Node.js**. The CMS is powered by **REST API** for content creation and management.
- Integrated **AWS** services to enhance the user experience. Employed **AWS SES** for email communication and **AWS S3** for content delivery network (CDN) to ensure faster loading times. The application was deployed on **AWS EC2** instances

Accountability APP | *TypeScript,Next.js, Solidity,Thirdweb*

July 2023

- A decentralized platform that enables users to set and manage their personal commitments and goals securely.
- Utilized **Solidity** to implement smart contracts that ensure the transparent and immutable recording of agreements.
- Designed an intuitive user interface using **Next.js**and **Chakra UI** providing a user-friendly experience for setting and tracking goals.

DefiDX | *JavaScript, Solidity,Hardhat,ethers.js*

October 2023

- Successfully implemented a robust **swap** functionality utilizing **Uniswap V2 Factory** and **Router** contracts. This allowed for seamless and efficient token swapping, enhancing the user experience.
- Pioneered the integration of **flash loans**, enabling users to access liquidity for profitable **arbitrage** opportunities. Conducted in-depth analysis of arbitrage conditions to maximize profit potential.

Education

Government College of Engineering and Textile Technology Berhampore

Jan 2020 – Present

Murshidabad, West Bengal, India

- Bachelor of Technology in Computer Science and Engineering.
- SGPA: 9