



Talha Sajid

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Date of birth: 30/12/1999 **Nationality**: Pakistani

ABOUT ME

Master's Degree Holder in Computer Science. I'm a Certified Blockchain Engineer and DeFi Specialist. Creating Robust code for Blockchain Projects and learning new technology in the ever-growing Web 3.0 world.

WORK EXPERIENCE

[16/02/2024 – Current]

Full Stack Blockchain Engineer

Antematter

City: Islamabad | **Country**: Pakistan

Links: <https://skybornegenesis.com/> | <https://node.rcade.network/>

Project Lead – Skyborn Genesis (Web3 Game)

- Successfully managed **Testnet and Mainnet deployments** of 3 NFT collections, ICO, and presale events.
- Designed and deployed **serverless backend solutions** using AWS Lambda to power multiple services.
- Orchestrated synchronization between **Layer 1 (L1) and Layer 2 (L2) smart contracts**, ensuring optimal efficiency and seamless interoperability.
- Implemented Merkle Tree structures for managing and verifying off-chain data integrity.
- Architected and deployed a **staking platform** for 3 NFT collections, including off-chain reward calculation mechanisms to enhance user engagement.

Web3 Metor – Antematter

- Conducted **Web3 workshops** for Web2 developers, bridging skill gaps and accelerating team upskilling.
- I played a key role in **Talent Acquisition** through technical evaluations and interview processes to onboard top-tier candidates.
- Implementation of **Zero Knowledge Proof** to allow secure and seamless implementation of web3-based ERD System.
- Participation in **Web3 Marketing** stuff and write proposals for potential incoming projects.

[22/03/2023 – 14/02/2024]

Full Stack Blockchain Engineer

Aleh Tech

City: Lahore | **Country**: Pakistan

Links: <https://hyperleague.vercel.app/> | <https://www.pear.garden/>

Blockchain Developer – Pear Protocol

- Spearheaded the development of **Pear Protocol**, a project built around the GMX Exchange.
- Built a solution for users to have **Multiple Long/Short Positions** using one wallet address.
- **Tokenization of the Positions** and being able to list them on a marketplace.
- Cross-chain support, **L1 and L2 Support**.

Lead Blockchain Developer – Hyperleague

- Led the end-to-end development of the **Hyperleague - Metaverse Game**.
- Created the smart contracts for **AirDrops, ICOs, Pre-Sale**, and Integrations into the front end.
- Designed and implemented a **Staking platform** to facilitate token utility and incentivize user participation.
- Engineered a robust **NFT marketplace**, enabling seamless minting, trading, and management of digital assets.

[24/03/2022 – 21/03/2023]

Associate Blockchain Developer

FiveRivers Technologies

City: Lahore | **Country:** Pakistan

Blockchain Developer – NVG8

- Creation of data token using **Ocean Protocol** to enable tokenized access to data assets.
- Designed and deployed **upgradable marketplace smart contracts**.
- Developed and deployed **ERC-1155 NFTs** and **ERC777 tokens**.
- **Integration of Wallets** into the front end, enabling secure user interactions.
- Enabled **Social Logins** on the Web3 Platform.

[22/11/2021 – 21/03/2022]

Blockchain Intern

Amco IT Systems

City: Lahore | **Country:** Pakistan

Blockchain - Intern

- Familiarity with **ERC20, ERC721, and ERC1155** token standards.
- Implemented **blockchain-based authentication systems**.
- Gained hands-on proficiency with **Hardhat** and **Truffle** development environments.

Junior Blockchain Developer - Custodiy

- Involved in the Development of **Custodiy Smart Contract** for transaction locking.
- Developed **Custodial Wallet System** on the backend.
- **Launched V2** of the Token and the platform smart contract.

EDUCATION AND TRAINING

[09/2019 – 08/2021]

Master's in Computer Science

Bahauddin Zakariya University <https://bzu.edu.pk/>

Address: Department of Computer's Science and IT, Multan, Pakistan | | **Final grade:** 3.66 CGPA | **Level in EQF:** EQF level 6 | **Thesis:** FYP - Web Based Ticket Reservation

Link: <https://github.com/IamTalha-Sajid/OnlineTicketReservation>

[07/2017 – 04/2019]

Bachelor's in Computer Science

Bahauddin Zakariya University <https://bzu.edu.pk/>

City: Multan | **Country:** Pakistan | **Field(s) of study:** Computer Science | **Final grade:** 569/800 - First Division | **Level in EQF:** EQF level 5

LANGUAGE SKILLS

Mother tongue(s): Urdu , Panjabi; Punjabi

Other language(s):

English

LISTENING C2 READING C2 WRITING C1

SPOKEN PRODUCTION C2 SPOKEN INTERACTION C2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

DIGITAL SKILLS

My Digital Skills

Smart-Contract | Web3 integration | Zero Knowledge Proofs | JavaScript | Node.js, React.js | Git | Mongodb / Mongoose | DeFi (Decentralised Finance)

PROJECTS

[11/2023 – 04/2024]

Ranchermon - Gaming Platform

Developed Multiple Smart Contracts

- Main Utility Token based on ERC20 with Uniswap V2 Implementation.
- Secondary Token based on ERC20 for in-game currency.
- NFTs for Game Items based on ERC-1155.
- NFT-based subscription of seasons.
- Pre-Sale Smart Contract to sell Tokens and NFTs at discounted prices.
- Staking Smart Contract that would allow users to stake 1 token to get another as a reward.

Web3 Integration

- UI Designing for all above-mentioned platforms.
- Wallet Integration at Frontend in React.js.
- Event Listening Lambda Functions.

Coin Flip Game

- Smart Contract Development
- Frontend wallet and smart contract integration.

[07/2022 – 09/2022]

NFT Marketplace - Clone of Opensea

- Implemented the functionality of the **Auction System** in the NFT Marketplace.
- **Off-chain Bidding** system using signature
- **Typed Data V4** Signature system implementation
- Event listening at the backend for a seamless experience.

[03/2024 – 06/2024]

NFT Trading Platform

- This allows users to make an offer of an NFT which another user can accept or present a counteroffer to **Trade that NFT**.
- The goal was to **Collect all the NFTs** to be eligible to claim the perks of the platform.

[04/2022 – 05/2022]

NFT Collection - Billie Jeans

- NFT Collection based on **ERC-721** with a Total Supply of One Thousand.
- **Unique Random Generated** NFTs for every mint.
- Deployed on **Polygon Chain**.

Link: <https://opensea.io/collection/billie-jeans>

HONOURS AND AWARDS

[14/12/2021]

Blockchain Specialization Awarding institution: University at Buffalo

- Blockchain Basics
- Smart Contracts
- Decentralized Applications (Dapps)
- Blockchain Platforms

Link: <https://coursera.org/share/3f47cbb812e553fa8d9f7c4a1a8e6d90>

[23/12/2022] **Decentralized Finance (DeFi): The Future of Finance** Awarding institution: Duke University

- Decentralized Finance (DeFi) Infrastructure
- Decentralized Finance (DeFi) Primitives
- Decentralized Finance (DeFi) Deep Dive
- Decentralized Finance (DeFi) Opportunities and Risks

Link: <https://coursera.org/share/1a169aa235b2225646db6a5d2f262b6d>

[15/07/2024] **Software Engineering Principles** Awarding institution: Antematter

Innovative blockchain engineer dedicated to building a decentralized future, one block at a time. Eager to drive adoption, push boundaries, and deliver excellence in the decentralized future.

11/2024



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