

Adeem Zaki

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FULL STACK BLOCKCHAIN ENGINEER

Detail-oriented and analytical professional with extensive experience in developing software-based solutions

Full Stack Software Engineer Proficient in both **web** and **blockchain** based applications with 3+ years of experience in React, Node, and Solidity Smart Contracts development. Proven track record of creating innovative solutions, debugging software, and conducting risk analysis. Skilled in team leadership and relationship-building, with strong time management and communication abilities..

Area of Expertise:

- Solidity
- Java Script
- C++
- Python
- CSS
- HTML
- C#
- Web3.js
- Ethers.js
- Node.js
- Nest.js
- Github
- Gitlab
- Truffle
- Hardhat
- React.js
- NextJS
- Mongo DB
- Mongoose

EXPERIENCE:

CyberSoft

Software Engineer (MERN)

June-23 – Present

- Coded using HTML, CSS, and JavaScript to develop features for both mobile and desktop platforms.
- As a Project Lead for E4Score Poweryard, led the development and maintenance of a live-running application using the MERN (MongoDB, Express.js, Node.js, and React) stack. Proficiently handled both the frontend and backend aspects of the project.
- Used Node.js to build a robust and high-performance backend for the application. Developed RESTful APIs to facilitate data communication and ensure seamless interactions with the frontend.
- Employed MongoDB as the database technology, effectively managing data storage and retrieval. Designed and optimized database schemas and ensured data integrity and consistency in a NoSQL environment.
- Demonstrated proficiency in JavaScript and ECMAScript ESE and ExpressJS for backend.
- Utilized Redux to manage the state of the frontend applications and integrated the frontend in ReactJS with the Solidity Contracts using EthersJS .
- Also worked with Angular

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Full Stack BLOCKCHAIN Engineer

Oct-21 – June-23

- Developed custom web pages in React using Figma design integrated them with Solidity Contracts.
- Implemented push and real-time notifications using Socket.io.
- Implemented Blockchain payment method in front end using Stripe API.
- Designed REST calls using React to streamline user interface performance.
- Worked with React Hooks.
- Created web networks with React.js and designed and developed intuitive graphical interfaces in React.js to improve user experience.
- Developed a simple crowdfunding Dapp backend solidity front end React.
- Developed, tested, and deployed upgradeable smart contracts using Truffle.
- Created solidity smart contracts for ERC20, ERC 1155, and ERC721 tokens, Fixed Price Exchange, Dutch and English Auctions and their front end is developed in ReactJS backend in NodeJS.
- Made major changes in front end of App trade X with React AND Node framework.
- Developed, tested, deployed, and verified escrow and agreement smart contracts using Hardhat.
- Implemented the minimal proxy pattern and Open Zeppelin proxy upgrade pattern.
- Implemented access control for multiple roles management.
- Authored customized NFT smart contracts using ERC1155 and ERC721 standards.
- Developed factory and implementation contracts for deploying fixed price exchange and auction drop clones.
- Implemented key concepts such as lazy minting, platform and royalty free management.
- Implemented clone deployment using the beacon proxy method.
- Performed static analysis of the contracts to identify vulnerabilities.
- Implemented features like Google SSO login.
- Implemented native and ERC20 transactions listener using Moralis Streams.
- Deployed and created Auction, Marketplace, Land registry and Custom complex smart contracts.

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FRONT-END INTERN

Aug-21 – Oct-21

- Learn & Create custom Figma designs using React.js
- Learn to Create responsive web pages
- Worked with Back-End Developers
- Participated in weekly Tech team meetings to discuss current/future projects and strategies on how to produce efficient work
- Edited existing codes to improve browser compatibility and mobile responsiveness.

Final Year Project

APPLICATION OF ISLAMIC MUSHARAKAH THROUGH BLOCKCHAIN

A Blockchain based Islamic Musharakah Application created with MERN Stack and Solidity Smart contracts

Academic Background

University of Central Punjab
Bachelor's in Computer Sciences

Lahore, Pakistan
2019-2023

Punjab Group of Colleges
FSC (Pre-Engineering)

Lahore, Pakistan

Technical Courses and Certifications

- Project management – **GOOGLE**
- Introduction to Blockchain –**DAPP WORLD**
- NFT Fundamentals –**DAPP WORLD**

Awards and Honors

- Talent Based scholarship in University of Central Punjab, Pakistan
- Award of Excellence by University of Central Punjab, Pakistan

Other Skills

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|--------------------------|---------------------------|------------------------------|
| • Full Stack Development | • Process Improvement | • Solution Deployment |
| • Project Management | • Operational Excellence | • Need Analysis |
| • Technical Analysis | • Testing and maintenance | • MS Office Suit |