

Asadullah Khan

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About Me

A detail-oriented full-stack software engineer with passion to solve intricate engineering problems that delivers highest business value. Quick learner who can adapt new challenges and technologies. Committed to staying updated with the latest technologies. Constantly exploring resources to enhance my knowledge and skills.

Skills

- Solidity | JavaScript | Typescript | Rust | Go
- Node.js | Express | React.js | ReduxToolKit | MongoDB | web3.js | ethers.js | Wagmi
- Git | Docker | AWS | Mocha/Chai
- Blockchain | Cloud Computing | AI
- OOP | Unit Testing | Data structure and algorithms.

Experience

Blockchain Lead Developer Orbit cosmos Islamabad, Pakistan 01/2024 - Present

- Design and Developed **Solana Anchor SPL** token programs.
- Build **Custom L1 Chain** along side with **Chain Explorer** for **Omerta Game**.
- Design and Developed Smart contract in Solidity regarding ERC20 Token, NFT, Presale/ICO and Staking
- Conducted testing tasks to ensure smart contract functionality and quality using hardhat, foundry, Solidity, mocha/chai and TypeScript
- Collaborated closely with UI/UX, Frontend and Backend team in regular meetings and integration

Blockchain & Nodejs Developer AKRU Islamabad, Pakistan 12/2021 - 01/2024

- Designed and implemented scalable backend APIs using **Nodejs, Express, MongoDB, AWS**.
- Optimized smart contracts using advanced **Solidity** low-level languages like **Yul**.
- Led the Development of a Custodial wallet solution built using stringent security protocols & infrastructure for a seamless and secure user experience. Solved crypto adoption key challenges using **Nodejs, AWS Lambda Functions, HSM Key Vault, Cognito Pool**.
- Integrated multiple third-party payment systems including Dwolla, Stripe, SendWyre, PayPro.
- Re-Build and Re-Designed Exchange smart contract for AKRU secondary market platform.

Blockchain & Nodejs Dev BuildMyDapp Islamabad, Pakistan 12/2020 - 12/2021

- Implemented enterprise level applications for VrDa1 Platforms using **Node.js, React, AWS, and MongoDB**.
- Designed and Implemented Mobile based Crypto Wallet for VrDa1 platform using **Nodejs, React Native, MongoDB, Web3**.
- Build and Deployed ICO and Defi staking platform on BSC Chain.
- Designed and Developed NFT based game on Solana Blockchain using metaplex candy machine.

Education

Bachelor of Science **Sir Syed University of Engineering & Technology** Karachi, Pakistan 01/2017 - 02/2021

- Major in Software Engineering

Others

- **Blockchain Specialist Certificate**: Presidential initiative for artificial intelligence and Computing certificate for blockchain specialist.
- **Advance Solidity and gas optimization Certificate**: Udemey courses related to blockchain and smart contracts.
- **Employee of the Month Award**: Employee of the month award at AKRU.