

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 | Python | Go | Rust | HTML/CSS
- Node | Express | Nest.js | Flask | React.js | React Native | Next.js | Redux | MongoDB | PostgreSQL
- AWS | Mocha/Chai | Git | Docker
- Blockchain | Cloud Computing | AI
- CI/CD | OOP | Unit Testing | Data structure and algorithms.

Experience

Blockchain & Nodejs Developer **AKRU** *Islamabad, Pakistan* **12/2021 - Present**

- Designed and implemented scalable backend APIs using **Nodejs, Express, Mongo DB, AWS**.
- Enriched System metrics & facilitated in-depth logging by integrating the platforms with **AWS cloud watch**.
- Optimized applications 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 systems including Dwolla, Stripe, SendWyre, PayPro.
- Build STO platforms, Tokenization of assets, and applications on top of the decentralized infrastructure.

Blockchain & Nodejs Engineer **MirindaWeb** *Lahore, Pakistan* **12/2020 - 12/2021**

- Implemented enterprise level applications for VrDa1 Platforms using **JavaScript, React, AWS, and MongoDB**.
- Enhanced systems facilitating marketers to perform various optimization experiments within the VrDa1 platform.
- Designed and Implemented Mobile based Crypto Wallet for VrDa1 platform using **Nodejs, React Native, MVC, MongoDB, Web3**.
- Mastered testing techniques, like unit, fuzz, invariants, and symbolic execution.
- Build and Deployed ICO/IDO platforms on top of the decentralized infrastructure including Defi staking platform on BSC Chain.
- Designed and Developed NFT based game on Solana Blockchain.

Education

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

- Major in Software Engineering

Projects

- **Chat any file** : Chat with any file including word, pdf, excel using OpenAI api.
- **Reply Gmail with GPT**: Chrome extension for replying mails using OpenAI api.
- **Car ownership History verification System**: WebApp for recording vehicle life cycle history using Hyper ledger Fabric.
- **ChainPay**: Mobile app to pay merchants in Stable coins using React Native.
- **Dunkswap**: Opensea like NFT marketplace for artists and designers to tokenize their dunks and secure their IP rights.

Others

- **Employee of the Month Award**: Employee of the month award at AKRU.
- **Blockchain Specialist Certificate**: Presidential initiative for artificial intelligence and Computing certificate for blockchain specialist