

MOHAMMAD FAHIM KHAN

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SUMMARY

Highly motivated and results-oriented **Front-end Developer** experienced in crafting user-friendly and performant web applications using **React.js**, **JavaScript**, **TypeScript**, rust and modern web technologies. Possesses a strong foundation in web development principles and a passion for building innovative and secure Web applications. Eager to contribute to a fast-paced team environment and continuously learn new technologies, particularly in the exciting realms of Web3 and blockchain development. Skilled in problem-solving, collaboration, agile methodology and delivering projects within deadlines.

EXPERIENCE

Senior Front-end blockchain Engineer

Syvora

Jan 2023 - Present

Indore, India

- Developed and implemented secure and user-friendly features for a Web3 Wallet browser extension using React.js, redux and TypeScript.
- Optimized UI elements in extension, Analyzed 15% reduction in load times as compared to previous build.
- Developed a custom fetcher function by combining Ethers.js and Subgraphs. This functionality facilitates efficient reading of contract functions and fetching event data.
- Implemented custom EIP712 signature types and Gasless transactions, significantly enhancing user experience. Further expanded functionality to support web wallets and off-chain signature storage/management.
- Integrated 30+ REST API's to share data between wallet's frontend and backend.
- Implemented Axelar bridge sdk in Web3 Wallet browser extension.
- Implemented a new blockchain feature using React.js, leveraging custom hooks for improved code maintainability.
- Collaborated & conducted a training session on integrating React.js with blockchain & assisted new hires.
- Developed and maintained wiki documentation using React, TypeScript, MDX, and Docusaurus.
- Enhanced document clarity and searchability by implementing Algolia search plugin, ensuring user-friendly information retrieval.

Front-end blockchain Engineer

Ryze

Jan 2022 - Jan 2023

Remote, India

- **UI Development** : Designed and implemented comprehensive UI components for real-time price tracking, liquidity pool visualization, and user portfolio exposure within a DeFi platform. Developed interactive charts utilizing advanced charting libraries to provide in-depth market trend analysis.
- **User Experience** : Facilitated seamless user interactions through intuitive UI design for minting, burning, and collateralization processes. Enhanced user understanding of complex financial concepts by providing clear and informative visualizations of asset risks and potential rewards. Optimized user workflows for efficient position management.
- **Performance Optimization** : Significantly improved website performance by implementing code splitting and lazy loading techniques, resulting in a 30% reduction in page load times. Ensured a smooth user experience by optimizing UI rendering and responsiveness.
- **Frontend Architecture** : Led the design and development of a robust frontend architecture utilizing ReactJS and Tailwind CSS to create responsive and visually appealing user interfaces across various devices. Built a user-friendly portal that seamlessly integrates with DeFi tools and protocols.
- **User-Centric Approach** : Conducted thorough user research and feedback analysis to identify areas for improvement. Implemented iterative design and development processes to enhance user satisfaction and increase user retention by 20%.

blockchain Engineer (Front and Integration)

Independent contractor

Jan 2021 - Jan 2022

Remote, India

- Conceptualized and implemented UI elements that clearly represent prices, liquidity pools, and user exposure within the DeFi platform in Ethereum
- Demonstrated a strong understanding of user experience (UX) principles, implementing intuitive and user-friendly interfaces for optimal user engagement.
- Developed TypeScript-based wallet solutions for Substrate chains using substrate-connect-wallet. Leveraged polkadot-js for seamless integration with the Polkadot ecosystem, enabling secure and efficient user interactions.–
- Integrated Vercel CDN, achieving a remarkable 50% improvement in page loading speed, resulting in significantly smoother user experience.
- Optimized frontend performance, reducing page load times by 30% through code splitting, lazy loading and other performance enhancement techniques.
- Actively gathered and analyzed user feedback to continuously improve the platform's features and usability, contributing to 20 % increase in user satisfaction ratings.
- Suggested data sorting and filtering to be done in JS, it fastened result fetching time to 200-300ms.

Intern

Laxyo Energy Lmt.

Part-time

Ratlam, India

- Managed a 3 member multipart (front-end, design) intern team and created a React [Chat Application](#).
- Designed & Implemented Login Dashboard, Homepage and Chat Components in React, contributing to 90% of the total logic and designs.

PROJECTS

Eth Send & Swap ([GitHub](#)): Developed an innovative React blockchain DApp (Decentralized App) with ethers.js and Uniswap v3 SDK on Ethereum's different networks. Implemented a swap feature for various ERC20 tokens. ([Link](#))

BNB Wallet DApp ([GitHub](#)): Built a React blockchain DApp (Decentralized App) using the ethers.js library. Implemented querying and signing data off-chain on Binance Smart Chain. Developed a transfer feature for BabyDoge ERC20 tokens.

Bingo Blockchain Game ([GitHub](#)): Constructed a real-time blockchain bingo game designed using React.js, Ethers.js, Context API, JS, and a Solidity smart contract. Key Learnings: Signing and querying blockchain data. Play Now! ([Link](#))

MerkelTree and MerkelProof ([GitHub](#)): Merkle Trees and Merkle Proofs are fundamental cryptographic structures used in various blockchain applications to ensure data integrity and security. This custom solution, implemented in Rust programming language, focuses on optimizing performance and maintaining high security standards.

SKILLS

Technical Skills:

Front-End Development: **React.js**, **JavaScript**, Redux.js, Jest, React testing library, JSX, Bootstrap, Tailwind CSS, Sass, TypeScript, HTML, CSS

Blockchain Development: Solidity, rust, Sui on Move, Ethers.js, Web3.js

Back-End Development: **Node.js**, Express.js, SQL

Version Control & Design Tools: **Git**, GitLab, GitHub, Figma

Additional Skills: Java, C++, data structure and algorithms, design patterns, Object-Oriented Programming, Web-pack, graphql, npm, babel, Jquery, Docker, JWT, Unit Testing, HTTP servers

Soft Skills:

* Communication * Problem-solving * Learning Agility * Teamwork * Time management * Coach-ability * Curiosity
* Ownership * Flexible * Accountability

ACHIEVEMENTS

- [Pro5.ai: ENGINEER CERTIFICATE](#) : Achieved a score placing me in the top 5% of developers on the test.
- Provided expert tutoring on Course Hero, solving 100+ student queries in web development and system design.