

Mr.Sulaman Khan

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Lahore, Pakistan

BLOCKCHAIN | RUST | SUBSTRATE | GOLANG | JAVASCRIPT (MERN)

I contributed to the development of blockchain layer 1 solutions, working on Governance & MultiSig pallet. My experience includes building dApps, Faucets, Visualizers, Explorers, Smart Contract Verification systems, Staking & External Validator Nodes, and a Wallet for managing NFTs and tokens. Additionally, I have worked on blockchain documentation, including creating explorers, and other tools.

KEY COMPETENCIES

Javascript	Golang (GRPC & Microservices)	Rust (Substrate)
Subsquid (Indexers)	AWS (Lambda)	Kubernetes Docker
GraphQL	Shopify (Apps Gadget)	Datadog Hotjar
NodeJs React JS & Native	Wordpress (Plugins)	CMMI 2.0 Agile

PROFESSIONAL EXPERIENCE

Vaival Technologies LLC

Dec 2023 - Present

Layer 1 Blockchain Engineer

- Consensus Algorithm Development: Designed and implemented consensus algorithms, including Proof of Work and Proof of Stake, to secure blockchain networks and ensure efficient transaction validation.
- Governance Mechanisms: Developed and deployed governance features, such as voting systems and multisignature transactions using Governance Pallet and Pallet MultiSig, enabling decentralized decision-making and enhanced security.
- Validator & Node Development: Developed and managed validator nodes to maintain network security and facilitate staking mechanisms, ensuring high availability and decentralized network governance.
- Dynamic Gas Fee & Limit Implementation: Developed systems to dynamically adjust gas fees and gas limits based on network load and transaction weight, ensuring efficient resource allocation and preventing network congestion.

Layer 2 & Layer 3 Blockchain Engineer

Aug 2021 - Nov 2023

- Web3 Integration: Connect decentralized applications (dApps) with blockchain networks using Web3 libraries (e.g., Ethers.js, Web3.js) to enable interaction with smart contracts and blockchain data.
- Transaction Management: Implement functionality for users to send and receive transactions, sign messages, and interact with decentralized finance (DeFi) protocols using libraries like Ethers.js.
- Data Fetching: Retrieve transaction details, account balances, and smart contract state from the blockchain by querying the blockchain node or using APIs from services like Infura or Alchemy.
- Building Indexers: Develop custom indexing solutions to efficiently track and store blockchain data (like transactions, events, and logs) for easy retrieval and analysis, often using databases or services like The Graph.
- User Experience Optimization: Enhance the user experience by providing real-time updates on transaction statuses and enabling easy wallet integration for seamless transactions.
- Contract Interaction: Deploy smart contracts and integrate them with the front end of dApps, allowing users to interact with blockchain functionalities.

- Shopify App Development: Developed high-performing [Shopify App](#), including the Care Cart app, to improve key business metrics like cart recovery, customer retention, and sales growth through automated email follow-ups and web push notifications.
- React Native E-commerce Apps: Built cross-platform mobile apps for e-commerce businesses, focusing on product catalogs, secure checkouts, push notifications, and user authentication to provide a seamless shopping experience on both iOS and Android.
- Payment Gateway & API Integrations: Integrated payment gateways such as Stripe and PayPal, along with APIs for shipping, inventory, and CRM systems, ensuring smooth backend operations and customer satisfaction.
- Performance Optimization: Enhanced website performance through lazy loading, CDN integration, and database tuning to improve load times and user engagement, especially during high-traffic events like Black Friday.

PROJECTS

Elysium Blockchain

Elysium substrate based EVM chain
[Elysium Chain](#)

Elysium CloudWallet

Users store, manage, and interact with their cryptocurrencies and tokens.
<https://wallet.elysiumchain.tech>

Elysium Scan

The transaction explorer. This gives to real-time transactions, block details, and accounts Info.
<https://explorer.elysiumchain.tech>

Elysium AI NFT Studio

Tools to generate NFTs & wonderful art pieces
<https://studio-dev.elysiumchain.tech>

Elysium Marketplace

Agora marketplace for Web3, PYR & LAVA blockchain token power echo system.
<https://agora.elysiumchain.tech>

Elysium Faucet

Crypto world, Collect free coins and play wonderful games!
<https://faucet.elysiumchain.tech>

B4USoft Pvt. Ltd.

Jun 2018 - Aug 2019

Full Stack Web Developer

- Developed Scalable Applications: Built high-performance applications, including an Uber-based solution, leveraging Go and Node.js for backend services and React.js for dynamic user interfaces.
- High-Traffic Systems: Designed and optimized a CMS system capable of handling high traffic loads, ensuring seamless user experiences and quick response times.
- Fintech Solutions: Implemented secure and efficient features for a fintech application, focusing on transactions, user authentication, and data security.
- Creative Applications: Developed an innovative guitar application, providing users with tools and resources for learning and playing music.
- Deployment Expertise: Managed application deployments using **Docker**, ensuring consistent environments and easy scaling; utilized SSH terminals for secure remote management and configuration of servers.
- User Behavior Analytics: Integrated **Hotjar** for user behavior tracking and analysis, enhancing user experience through **heatmaps** and **session recordings**.
- Monitoring and Performance: Implemented **Datadog** for application monitoring and performance tracking, providing insights into system health and improving overall reliability.
- E-commerce Solutions: Developed applications using Gadget Shopify, enhancing online shopping experiences.
- Serverless Architecture: Designed and implemented serverless applications using AWS Lambda and Google Cloud Functions for scalable and efficient back-end processing.
- React Native Mobile Development: Built cross-platform mobile applications using **React Native**, ensuring seamless user experiences across iOS and Android.
- App Deployments: Managed end-to-end **app deployments** to both the Apple App Store and Google Play Store, ensuring compliance with store guidelines and successful app launches.

PROJECTS

SendPad

Strengthen customer's engagement

<https://sendpad.com>

B4U Cabs | B4U Wallet & 10+ Products

You don't need to catch cabs outside anymore; now you just order a ride online with Yango service

Expert App

Connect with each other, learn & take your career to next level

<https://experts-app.com>

WHMPRESS (Wordpress Plugin)

Ignite your Webhosting business

<https://whmpress.com>

Fekara

Manage your school, starting from admissions to attendance and exams to result cards.

<https://fekara.com>

ACHIEVEMENTS

Developed a High-Traffic CMS

Supported over 100,000 daily active users

Successful Fintech Application Launch

Processed transactions worth over \$1 million in the first quarter post-launch

Innovative E-commerce Solution

25% increase in sales within three month

Serverless Application Deployment

Reducing operational costs by 40% while improving scalability and performance

EDUCATION

BS Information Technology

Punjab Universty Pakistan -Lahore

2014-2018