

Mohammad Mavia

Software Engineer

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Employment

Full Stack Engineer, Drox

01/2024 – Present

Pakistan

- Excelled in delivering high-quality solutions on Launchpad, serving almost 500k users.
- Implemented MultiChain Account Abstraction in the wallet server.
- Implement RabbitMQ for seamless communication between microservices in NFT Marketplace
- Creates a Twitter bot that monitors mentions, generates images character based on tweet prompts
- Developed explorer for new L2 chain using Blockscout
- Implemented Stripe Connected Accounts with stable payouts, enabling users to receive funds in their preferred choice of fiat or crypto.
- Implemented gRPC to enable smooth and efficient communication between microservices.

Backend Engineer, Auto Compound (Contract)

06/2025 – 08/2025

USA-Remote

- Built an AI agent delivering personalized investment insights.
- Implemented smart pool recommendations based on investor requirements.
- Developed multi-pool tracking for positions and transactions.

Backend Engineer (Part Time), BlockApex

06/2023 – 12/2023

Pakistan-Remote

- Worked on Decentralized Exchange Implementing partial and full using price-time priority algorithm

Backend Engineer, Artfi

05/2023 – 11/2023

UAE

- Designed and implementing RESTful APIs.
- Created server-side logic and databases.
- Refine existing programs and develop new web tools.
- Developed high-performance, user-friendly applications.
- Engaged in pair programming sessions to optimize code and enhance team collaboration

Software Engineer And Team Lead, Xord

04/2021 – 06/2023

Pakistan

- Excel in implementing high-quality solutions across diverse projects, including NFTs, staking, Web3 Wallets, flash loans, bridges, and crypto lending/borrowing platforms.
- Gained experience working with several well-known blockchains, which include EVM, Solana, Near, and Concordium.
- Spans a wide tech stack, including JS, TS, Go, Rust, Java, and Solidity. I have worked with various frameworks like Nest.js, React.js, Spring Boot, Node.js, and Anchor.rs.
- Strong computer science fundamentals in system design, data structures, algorithms
- Experience working with various databases, including SQL, Postgre, Mongoose, and Pinata.

- Experience with writing and maintaining unit tests with Jest, Enzymes and Hardhat using TDD.

Junior MERN Stack Engineer, Xord

10/2020 – 04/2021

Pakistan

- Worked on Ethereum Mobile Wallet on Layer 2 and integrated zksync, a Layer 2 solution
- Worked on Food Delivery Mobile App which use binance smart chain and other payment delivery methods with MongoDB geospatial index
- Build pixel-perfect, buttery-smooth UIs across both mobile platforms and Web apps. Maintained code and wrote automated tests to ensure the product was of the highest quality.

Education

BS in Computer Science & IT, NED University of Engineering and Technology

09/2017 – 06/2021

Major Courses

- Data Structure And Algorithm
- Computer Architecture & Organization
- Network & Information Security
- Compiler Design

Skills

Languages

JavaScript TypeScript Java Solidity Rust Python C++,
C, Go

Scalability

Docker Kubernetes Kafka Microservice Architecture RabbitMQ
Grpc

Cloud

AWS GCP

Frontend

Reactjs React Native

Databases

MongoDB SQL Postgres

Blockchain

The Graph Web3js Hardhat Etherjs

Backend

Nestjs Spring Boot Nodejs Graphql socketIO rocker.rs

Articles

[Multithreading in Go and Rust: A Comparative Analysis](#) ↗

[Understanding Heap and Stack Memory Management in Go](#) ↗

Certificates

- Encode Solidity Bootcamp