Muhammad Muntazir Mehdi

Lahore, Pakistan | +92 317 6202271 | mehdikhosa50@gmail.com
linkedin.com/in/mehdikhosa | github.com/MehdiKhosa50 | mehdikhosa.com

Professional Summary

Resourceful **Full Stack Blockchain Engineer** with **3+ years** of experience in the Web3 ecosystem, including **2+ years** of hands-on industry experience building decentralized applications. Founder of **PeoplesDEX**. Proficient in the **MERN stack with EVM integration**, smart contract development, and deployment on mainnet across Ethereum, Polygon, Binance Smart Chain, and emerging L1 chains (TON, SUI, Solana). Also experienced in **algorithmic trading systems**, including MQL5 forex robots, crypto/stock signal generation platforms, and AI-integrated trading alert tools. Committed to building secure, scalable, and production-grade decentralized and fintech solutions.

Technical Skills

Primary Skills

Blockchain / Web3: Solidity, Ethers.js, Hardhat, ERC/EIP Standards, Uniswap V2, DeFi, NFTs, Smart Contracts, Chainlink Oracles, Thirdweb, Sequence SDK, Wagmi

EVM Chains: Ethereum, Polygon, Binance Smart Chain

Frontend: Next.js, React.js, TypeScript, JavaScript, Tailwind CSS

Backend: Node.js, Express.js, REST APIs, Telegram Bot API

Databases & ORM: MongoDB, PostgreSQL, Prisma ORM, Sequelize ORM

Trading Platforms: Signal Generation Engines, Rule-based Alert Systems, TradingView-style Platforms, Technical Indicators

Secondary Skills

Emerging L1 Chains: Solana (Anchor/Rust, Web3.js, SPL Tokens, Metaplex NFTs) | TON (Tact, TonWeb, Jetton/TIP-3, TIP-4 NFTs) | SUI (Move, Sui SDK, Move-based NFTs/Coins)

Algorithmic Trading: MQL5 (Forex/Crypto Robots), Automated Trade Execution, Backtesting Logic

AI / ML: AI-trained Stock Signal Models, OpenAI API Integration, Chatbot Development with Historical Data Context

Languages: Python (data processing, model training), Rust (Anchor framework)

DevOps & Tools: AWS (EC2, RDS), Vercel, Git, GitHub, Hardhat

Professional Experience

xNerds Solutions — Lahore, Pakistan
Full Stack Engineer — *December 2025 – Present*

- Engineered MQL5-based forex and crypto trading robots from concept to production, implementing rule-based signal generation and automated trade execution logic.
- Sole developer of **BudSignal** (budsignal.io) — a full-stack crypto signals platform using Hyblock and Synth data, built with Next.js, Node.js, Prisma, and PostgreSQL, deployed on AWS.
- Built a Telegram Bot that pushes real-time signals to channels upon condition triggers, and developed a Telegram Mini App (in-bot web UI) fully synced with the signals platform.
- Developed a TradingView-style **Trading Alerts Platform** supporting 26+ configurable indicators, price-target alerts, browser push notifications, support/resistance zone detection, and an AI chatbot (OpenAI) trained on historical signal data.
- Designed and deployed an AI-trained model for stock signal generation, integrating predictive analytics into the broader alerts ecosystem.

ArgonTeq Inc. — Lahore, Pakistan
Blockchain Developer — *October 2024 – October 2025*

- Contributed to the full lifecycle — design, development, and deployment — of production-ready blockchain applications across EVM-compatible chains.
- Delivered multiple real-world projects spanning DeFi protocols, NFT marketplaces, staking systems, Web3 gaming platforms, and AI-integrated healthcare applications.
- Wrote clean, well-architected Solidity smart contracts with test-driven development practices, optimizing for gas efficiency and security.
- Collaborated with cross-functional teams to deliver tightly integrated frontend-backend-blockchain systems using Solidity, Node.js, Next.js, MongoDB, and Ethers.js.
- Integrated external APIs (ChangeNOW, Binance, OpenAI) and on-chain oracles to power complex automated workflows across multiple production deployments.

Vanar — Lahore, Pakistan
Blockchain Developer Intern — *June 2024 – August 2024*

- Built and launched **PeoplesDEX** (peoplesdex.vercel.app) — a community-driven, zero-fee decentralized exchange on the EVM-compatible Vanar Chain, powered by Uniswap V2 smart contracts.
- Handled end-to-end development: smart contract architecture in Solidity, Next.js frontend, and backend integration with Ethers.js in a Hardhat environment.
- Collaborated directly with the product team, driving platform efficiency improvements and delivering the full DEX within the internship period.

Key Projects

BudSignal — Crypto Signals Platform | ***Next.js, Node.js, PostgreSQL, AWS, Telegram*** budsignal.io

- Sole developer of a production crypto signals platform processing Hyblock and Synth on-chain data to generate actionable trading signals.
- Architected and deployed full-stack infrastructure on AWS; built a Telegram Bot for push notifications and a Telegram Mini App for in-bot access.

Trading Alerts Platform | ***Next.js, Node.js, PostgreSQL, OpenAI API*** Live Platform

- Engineered a TradingView-style alert platform supporting 26+ technical indicators, user-defined rule-based alerts, and real-time price tracking with browser notifications.
- Integrated an OpenAI-powered chatbot with historical signal data context and support/resistance zone detection for AI-assisted market analysis.

BCoinBets — Bitcoin Prediction DApp | ***Solidity, Node.js, React, Ethers.js*** bcoin-bets.vercel.app | Polygon Contract

- Led end-to-end development of a decentralized Bitcoin price-prediction platform with wallet integration, real-time forecasting, and automated reward distribution on Polygon Mainnet.
- Deployed gas-optimized, fully auditable smart contracts to mainnet with transparent on-chain transaction flow.

Mynty AI Tech Solutions — Cross-Chain Reward Bridge | ***Solidity, Node.js, ChangeNOW*** Polygon Mainnet Contract

- Developed a fully autonomous cross-chain reward distribution bridge converting BTC, ETC, DOGE, and XMR mining rewards into USDT on Polygon for automatic investor payouts.
- Integrated ChangeNOW APIs for cross-chain swaps; designed batch-transaction smart contracts for gas-efficient, scalable reward processing.

Healink Dental — AI-Powered Clinic | ***Node.js, React, PostgreSQL, OpenAI*** healink-dental-clinic.vercel.app

- Built patient/staff management modules within a HIPAA-compliant system; integrated AI-driven X-ray analysis via ChatGPT, reducing manual reporting time for clinical staff by 40%.

Education

Government College University Lahore (GCUL) Lahore, Pakistan
Bachelor of Science in Computer Science (BSCS) *October 2020 – June 2024*

Certifications

- **ASP.NET Core** — Mentorsh *June 2021 – August 2021*
- **Blockchain Fundamentals** — Chainlink Labs *June 2024*
- **Solidity Smart Contract Developer** — Cyfrin Updraft *November 2024*

Additional

- **Founder:** PeoplesDEX — zero-fee, community-driven DEX on Vanar Chain (peoplesdex.vercel.app) | *June 2024 – January 2025*
- **Trading Background:** Active cryptocurrency trader since 2021 (Binance and multi-platform); deep understanding of DeFi mechanics, tokenomics, on-chain data analysis, technical indicators, and trading psychology across high-volatility market conditions.
- **Portfolio:** Full project case studies and live demos available at mehdikhosa.vercel.app