Ankush Kumar

Senior Full-Stack Frontend Engineer | Web3, DeFi & Crypto Neobank
Dubai, UAE | +91-9872292227 | kumarankush14398@gmail.com
linkedin.com/in/ankush-kumar-782870128 | github.com/hacker14398

Professional Summary

Senior Full-Stack Frontend Engineer with **7+ years** building Web3 trading and DeFi products used by 400K+ users. Leads frontend at Tria, a crypto neobank, shipping perpetuals trading and yield products with **$1.5B+** trading volume, **$1M+** builder-fee revenue and **$100M+** TVL. Specialist in React, Next.js, React Native, TypeScript and Node.js, and in cross-chain infrastructure (Circle CCTP, NEAR Intents, Hyperliquid, Aptos).

Technical Skills

- **Languages:** TypeScript, JavaScript, Solidity, Python, Go, HTML5, CSS3
- **Frontend:** React.js, Next.js, React Native, Expo, Redux, Zustand, TanStack Query (React Query), Tailwind CSS, GraphQL, WebSockets, responsive design, web performance optimization
- **Backend & Data:** Node.js, Express.js, REST APIs, gRPC, Redis, PostgreSQL, MongoDB, Envio Indexer, The Graph
- **Web3 & Blockchain:** Wagmi, Viem, Ethers.js, WalletConnect, Turnkey, Circle CCTP v2, NEAR Intents, Wormhole, Hyperliquid API & HIP-3, Aptos SDK, Solana, EVM, Cosmos (CosmJS), Sui, Tron, Bitcoin, ERC-4626 vaults
- **DevOps & Tooling:** CI/CD (GitHub Actions), Docker, AWS, Vercel, Sentry, Datadog, PostHog, Jest, ESLint, Git
- **Practices:** Agile/Scrum, code review, system design, automated testing, technical mentoring

Professional Experience

Senior Full-Stack Frontend Engineer Nov 2025 – Present
Tria (Crypto Neobank) | Dubai, UAE

Led a team of 4–6 engineers, owning the frontend and building backend services for Tria's trading and yield products.

Tria Trade – Perpetuals DEX Aggregator with Omnichain Deposits

- Built the web and mobile trading frontend for Tria's perpetuals product, which has processed **$1.5B+** in volume across Hyperliquid and Decibel and earned **$1M+** in builder-fee revenue ($709K+ Hyperliquid, $385K+ Decibel).
- Designed and developed Tria Trade v2, a full revamp for Hyperliquid and Decibel, building both the Node.js backend services and the web (Next.js) and mobile (React Native, Expo) clients, with end-to-end event tracking across the trading funnel.
- Built a chain-agnostic trading layer over custom Hyperliquid HIP-3 and Aptos (Decibel) SDKs, delivering sub-second order execution across perpetuals and spot markets through one interface.
- Integrated Circle CCTP v2 and NEAR Intents (v1 and 1Click) for one-step deposits from EVM, Solana, Aptos and Tron into trading accounts.
- Led architecture decisions on cross-chain deposit routing (CCTP, NEAR Intents, Stargate) and real-time market data (WebSockets vs gRPC), balancing reliability, latency and cost.
- Engineered real-time order-book and price streaming with WebSockets, TanStack Query and Zustand, keeping the UI responsive during high market volatility.

Tria Earn – Multi-Chain Yield Aggregation

- Architected Earn as an infrastructure-agnostic framework integrating 4 vaults from 3 curators (Gauntlet, Gamma, Sentora) across 4 chains, reaching **$100M+** TVL at 10–12% APY.
- Built a custom Envio indexer that aggregates vault positions and yields into one cross-chain portfolio view, replacing fragmented RPC calls.
- Integrated ERC-4626 vaults and custom lending/borrowing adapters for one-click deposits, withdrawals and position management.

Growth, Engagement & Security

- Built backend-driven trading competitions and a no-liquidation campaign to drive trader acquisition and retention.
- Shipped push notifications for market volatility and portfolio milestones to lift re-engagement.

- Audited Tria's season reward smart contracts on Arbitrum for fund-draining vulnerabilities and privileged-access backdoors.

Senior Frontend Engineer Jun 2021 – Oct 2025
Router Protocol

Router Nitro V3 – Cross-Chain DEX (Primary Project Lead)

- Architected Router Protocol's flagship cross-chain DEX, reaching **$1B+** trading volume, **1M+** transactions and **400K+** active users.
- Built a high-performance React, Next.js and TypeScript UI across 40+ blockchains; raised engagement 35% through PostHog analysis and React Query optimisation.
- Implemented wallet integration across EVM, Cosmos, Bitcoin, Solana, Sui and Tron using Wagmi, Viem and WalletConnect, packaged as the reusable Tangled SDK.
- Set TypeScript, ESLint, automated testing and CI/CD standards, led code reviews and mentored junior engineers on Web3 best practices.

Router Cross-Chain Intent Framework (CCIF) – Full-Stack Blockchain Developer

- Led development of Router Intents, a modular framework for staking, deposits, lending and AMM operations across chains through chain-agnostic flows.
- Integrated 20+ DeFi protocols (StakeStone, Aerodrome, Thruster and others) with an adapter-based backend, reaching **$40M+** TVL, 30K+ transactions and 20K+ users.

DFYN Network – Blockchain Frontend Engineer

- Built a low-latency swap interface processing 100K+ daily transactions and a farming dashboard that attracted **$75M+** TVL.
- Shipped on-chain limit orders in DFYN V2 and DFYN Fusion, a multi-asset swap executed in a single transaction.
- Improved page load speed 50% with Redux state management and Next.js ISR.

Projects

Popsicle – zk-Powered Token Launchpad on HyperEVM May 2025 – Apr 2026
Founder & Lead Blockchain Engineer (side project)

- Built a launchpad where tokens compete by market cap in 48-hour races, with transparent liquidity redistribution to winners; full stack in Next.js, Node.js, Solidity, MongoDB and Redis.
- Added zkProof-based anti-bot validation and Horizen confidential computing for private, verifiable race outcomes.

Open Source

- **wevm/wagmi (PR #5310):** Fixed MetaMask connector SDK initialisation so it retries after failure and initialises once under concurrent calls, with a regression test.

Education

B.Tech, Computer Science and Engineering Aug 2016 – Jul 2020
Lovely Professional University, Punjab, India