

Utkarsh Jaiswal

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EXPERIENCE

Lokachakra (Stealth Startup)

Remote

Full-Stack & Blockchain Developer

December 2025 – Present

- **Architected Lokacert**, an enterprise-grade decentralized credential verification protocol on Solana with PM2 process orchestration and rate-limiting middleware, slashing onboarding friction by 84%.
- **Engineered Solana contract** managing on-chain account creation, revocation vectors, and zero-knowledge metadata with 100% state consistency processing verifications across 15K+ monthly requests with sub-300ms query execution .
- **Pioneered low-latency Irys (Arweave) storage indexing layer**, reducing proof validation latency by 142ms at p95 across multi-tenant organizations.

SkyTrade

Remote

Blockchain & Full Stack Intern

August 2025 – November 2025

- **Audited Solidity/Rust smart contract architectures**, identifying execution vectors and enforcing 100% compliance with strict enterprise security SLAs.
- **Spearheaded compressed NFT (cNFT) state compression architecture**, reducing on-chain account storage overhead by 40% across 50K+ operational mints.
- **Implemented high-throughput off-chain metadata caching layer**, reducing RPC query response times by 78ms at p95 for active dApp users.

PROJECTS

DeXI - Decentralized Trading & Fantasy Sports Protocol | Solana, Anchor, Rust, Next.js 16

[LINK](#)

- **Architected On-Chain contest & Trading** to provide real-time automated market-making and liquidity pools for athlete token trading & managing lineup drafting constraints, entry validation, and automated settlement.
- **Engineered oracle telemetry pipeline via TxLINE SSE streaming**, processing live fixture events to compute fantasy scores with sub-500ms latency and 90/10 USDC escrow settlement.
- **Pioneered automated keeper** using V0 versioned txs to compress lineup entries into a single atomic transaction.

SolTix / BlockTix - Decentralized Ticket Auction & Event Protocol | React 19, Anchor, Metaplex, Privy

[LINK](#)

- **Engineered custom Anchor/Rust auction smart contract** managing on-chain bidding pools, escrow settlement vaults, and anti-sniping mechanisms with sub-400ms finality.
- **Engineered zero-friction onboarding pipeline** featuring in-app keypair generation and Privy authentication, eliminating extension dependencies and boosting conversion by 68%.
- **Built real-time telemetry indexing service** for on-chain asset verification via Metaplex Umi and Codama SDK bindings, tracking metadata with 99.94% accuracy.

Echo - Autonomous Multi-Agent Voice & RAG Infrastructure | Next.js 15, Convex, Turborepo, VAPI

[LINK](#)

- **Architected multi-agent orchestration engine** leveraging Convex Agents and RAG, achieving <2s end-to-end latency for context-aware responses across 10k+ embedded document chunks.
- **Engineered multimodal voice interface** using VAPI integration, optimizing P95 response times for real-time speech synthesis and automated intent workflows.
- **Accelerated developer velocity by 3.4x** by spearheading a Turborepo monorepo architecture, enforcing strict end-to-end TypeScript type-safety across edge functions.

TECHNICAL SKILLS

Languages: Rust, TypeScript, JavaScript, C/C++, Python, Golang, Solidity, HTML/CSS, SQL

Frameworks / Libraries: React 19, Next.js 16, React Native, Node.js, Express, Tailwind CSS, Three.js, Web3.js, Anchor Framework

Tools / Platforms: Git, GitHub, VS Code, Postman, Vercel, AWS, Docker, PM2, Turborepo

Databases / Storage: PostgreSQL, MongoDB, SQL, Convex, Irys / Arweave