Avhi Mazumder

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TECHNICAL SKILLS

Frontend: JavaScript, TypeScript, TailwindCSS, React, Next.js
Backend: Node.js, Express.js, MongoDB, Prisma ORM
Web3 / Blockchain: Solana, Rust, Anchor, Pinocchio, Bankrun, Mollusk, SPL tokens, DeFi protocols (lending, DEX, governance), cross-program invocations (CPI), program optimization, security best practices
Testing & Deployment: Unit/integration/fuzz testing, Solana Devnet/Mainnet deployment, performance optimization
Tools: Git, GitHub, Docker, Vim, VS Code, Linux

EXPERIENCE

PirateCrewFun   Jun. 2025 – Present
Full Stack Solana Engineer   *USA, Remote*

- Lead Meteora integrations and build complex backend systems that power end-to-end mainnet smart contract implementations
- Ship production-grade Solana programs with comprehensive on-chain testing, optimization, and frontend integration spanning the full product lifecycle
- Bridge on-chain smart contract logic with backend infrastructure and user-facing experiences, ensuring seamless DeFi protocol functionality

Solanaturbine Builders' and Advanced SVM Cohorts   Various Dates
Builder   *Remote*

- Completed advanced Solana architecture training covering runtime internals, Sealevel parallelization, account models, transaction processing, and low-level on-chain mechanics
- Built 10+ production smart contracts using Rust and Anchor with focus on program optimization, secure cross-program invocations (CPI), and robust testing methodologies
- Developed and deployed 6+ native Solana programs using zero-dependency Pinocchio framework; validated with Mollusk and Bankrun for high-speed simulation and performance profiling

PROJECTS

Nestfolio | Link   Jan. 2025 – Mar. 2025

- Built an AI-powered DAO governance platform with 5+ production-grade Solana smart contracts using Anchor, managing proposal state and voting logic with rigorous security best practices
- Implemented comprehensive test suites achieving 100% code coverage using Bankrun and Bankrun integration tests; optimized compute costs and program robustness for high transaction throughput
- Won \$XXXX Solana Foundation grant for innovation in on-chain governance infrastructure; accelerated testing time by 60% through optimized testing methodology

Blink Arena | Link   Oct. 2024 – Nov. 2024

- Built a platform enabling users to host or join gaming tournaments via Solana Blinks, with instant wallet-based authentication and $< 1s$ transaction latency
- Handled 10+ tournament workflows with real-time data updates using Prisma ORM and MongoDB
- Awarded \$XXXX Superteam grant from among 150+ applicants for innovation in on-chain gaming infrastructure

Native Solana Contracts (Pinocchio + Rust) | Link   Various Dates

- Built and deployed 6+ native Solana smart contracts using **Pinocchio**, a zero-dependency framework that bypasses the Solana Program Library (SPL)

ACHIEVEMENTS

Grant Recipient (2x) | *Solana Foundation and Superteam*

- Awarded a total of \$X,XXX in grants for building **Nestfolio** and **Blink Arena**

Member | *Superteam India*

- Selected to join Superteam as a member, a global network of top builders accelerating the adoption of Solana. Actively participate in bounties, grants, and on-chain product development with the Solana community.