SAHIL WASNIK

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PROFILE

Blockchain Engineer with 3+ years of hands-on experience building Layer 2 infrastructure, rollups, and protocol-level systems. Currently working on decentralized AI agent infrastructure at Zynd AI, focusing on Agent DNS systems and network architecture. Background includes Optimistic and ZK rollup architectures, developer platforms, and on-chain infrastructure reliability. Previously contributed to Tokamak Network's Rollup Hub infrastructure. MLH Fellowship alumnus (NEAR Protocol) with experience across multiple production-grade Web3 systems and hackathon-winning projects.

EXPERIENCE

Research Engineer — March 2025 – Present
Zynd AI — *Remote*

- Building decentralized infrastructure for AI agent discovery and coordination through Agent DNS systems
- Developing protocol-level architecture for agent identity resolution and service discovery mechanisms
- Contributing to network infrastructure design enabling seamless AI agent interoperability and communication
- Researching and implementing decentralized naming systems for autonomous agent coordination at scale
- Working on cross-protocol integration layers connecting AI agents with blockchain-based identity systems

Blockchain Engineer — Dec 2024 – March 2025
Tokamak Network — *Remote*

- Worked on Tokamak Network's rollup infrastructure and platform systems, primarily within the Tokamak Rollup Hub (TRH) project
- Contributed across backend services, platform integrations, and supporting tooling for rollup-related workflows
- Assisted with integration of protocol components, infrastructure services, and internal tooling
- Participated in platform research, testing, and validation of rollup configurations and system behavior
- Collaborated with engineers on improving platform reliability, developer experience, and documentation

Full-Stack Blockchain Developer (Contract) — April 2025 – Nov 2025
Spredd Markets — *Remote*

- Built components for a prediction market platform with focus on on-chain execution and infrastructure design
- Worked on cross-chain integrations and aggregation logic across multiple prediction market protocols
- Assisted in appchain-oriented architecture exploration and Layer 2 scalability considerations

Protocol Engineer & Co-Founder — Jan 2025 – June 2025
ShillTube — *Remote*

- Co-founded an AI-powered memecoin entertainment platform combining tokenomics and DeFi primitives
- Designed and implemented smart contracts with emphasis on gas efficiency and protocol safety
- Built backend logic connecting creator interactions with on-chain economic flows

Web3 Protocol Developer — July 2023 – Sep 2023
MLH Fellowship (NEAR Protocol) — *Remote*

- Developed smart contracts in Rust under mentorship from core NEAR Protocol engineers
- Gained hands-on experience with sharded blockchain architecture and protocol-level design
- Contributed to a hackathon-winning project that evolved into a funded startup concept

Security Researcher — Feb 2024 – March 2024
Hacktify Cyber Security — *Remote*

- Conducted web and infrastructure security assessments across enterprise environments
- Performed vulnerability research, API security testing, and network-level analysis
- Covered blockchain security fundamentals and smart contract auditing methodologies

TECHNICAL SKILLS

- **Layer 2 & Rollups:** OP Stack, Polygon CDK, Optimistic Rollups, ZK Rollups, Rollup Hub Architectures
- **AI Agent Infrastructure:** Agent DNS, Decentralized Identity Systems, Service Discovery Protocols
- **Blockchain Development:** Solidity, Rust, Go, Smart Contract Design, Gas Optimization
- **ZK Systems (Working Knowledge):** zkSNARKs, Circom, Halo2, ZK-EVM fundamentals
- **Infrastructure:** Sequencer concepts, Rollup lifecycle management, Bridge architecture
- **Frontend / Platform:** React, TypeScript, Node.js, Ethers.js, Viem, Wagmi
- **DevOps & Tooling:** Docker, AWS, GitHub Actions, Hardhat, Foundry

KEY PROJECTS

Zynd AI Agent Infrastructure
Contributing to decentralized AI agent coordination infrastructure through Agent DNS and network protocol development. Building systems for autonomous agent discovery, identity resolution, and cross-protocol interoperability.

Tokamak Rollup Hub (TRH)
Contributed to Tokamak Network's rollup deployment and management platform. Worked on backend logic, platform UI flows, cancellation/cleanup mechanisms, and end-to-end rollup testing.

CreativeIP – Decentralized IP Management Platform [GitHub]
On-chain IP registration and licensing system integrating Story Protocol, cross-chain payments, and verification layers.

MNT DEV AI [GitHub]
Winner – Mantle Network Hackathon. Developer tooling for Layer 2 smart contract analysis, gas optimization, and security insights.

Arbitrum Stylus Guardian [GitHub]
AI-based analysis tool for Rust smart contracts on Arbitrum Stylus with vulnerability detection and optimization hints.

Modular Rollup Framework (Polygon CDK)
Built a modular rollup setup supporting configurable execution and settlement layers with custom sequencing logic.

ACHIEVEMENTS

Winner at 13+ Web3 hackathons across ecosystems including EthGlobal, Mantle, and Optimism

MLH Fellowship alumnus (NEAR Protocol)

Experience contributing to production-grade Layer 2 infrastructure and AI agent systems

EDUCATION

Bachelor of Computer Application (Cloud & Security), Amity University, Noida — Expected 2026
Senior Secondary, Jubilee English Junior College, Akola — 2022

COMMUNITY

Regular participant in Ethereum and Layer 2 ecosystems (Devcon, Token2049, EthGlobal)

Active contributor to rollup and protocol engineering discussions

Mentors early-stage developers in Web3 and Layer 2 fundamentals