Rythme Nagrani

Developer Relations Engineer | Protocol Engineer

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Summary

Protocol engineer and developer advocate building in Web3 since 2022, shipping onchain products and running developer programs. I co-founded Web3Spell Labs, where I lead engineering on audited DeFi and zero-knowledge projects, and I have organised 75+ developer events that reached more than 5,000 developers. I am looking for a developer relations or protocol engineering role in Singapore.

Achievements

- Won the TOKEN2049 Origins Hackathon in Singapore
- Received a grant from Compound Protocol for ChainPot; the contracts were reviewed by Certora and every finding was fixed (remediation report)
- Community partner for TOKEN2049 Singapore 2025 and Consensus Hong Kong 2026
- Named to the Thrive Power List Top 500
- Mentor or speaker at Paris Blockchain Week 2025, Arbitrum Ignite, GirlScript Summer of Code and Winter of Blockchain
- Wrote two guides on the Rootstock Developer Portal: LI.FI integration and x402 payments; my lending boilerplate is published in Rootstock's official GitHub

Experience

Web3Spell Labs, Co-Founder, Engineering and Developer Relations — 2022 – Present

- Lead engineering for a small studio building protocols on Solana, Base, Rootstock and Somnia, from contract design through testnet launch.
- Organised 75+ developer events reaching 5,000+ developers, including Arbitrum Ignite, a 12-day bootcamp for 250+ developers, and Core Nexus, a 36-hour hackathon with 150+ project submissions.
- Ran build stations for Solana and Mantra hackathons; teams from one Bhopal station submitted 40+ projects, and several went on to win grants.
- Host SpellCast, a podcast with protocol founders and DevRel leads about what they are building.

ChainPot, Founder and Lead Engineer — 2025 – Present

- Built a savings-circle (ROSCA) protocol on Base. Members pool USDC each cycle, and the payout goes to a Chainlink VRF draw or the lowest bidder in a discount auction.
- Idle funds earn yield on Compound III, and 20% of the interest goes to an insurance reserve.
- Funded by a Compound Protocol grant. Took the seven-contract system through a Certora review, fixed all 21 findings, and verified the full stack on Base Sepolia with 48 of 48 Foundry tests passing (code).

Civitas, Co-Founder and Engineer — 2025 – 2026

- Built private payroll on Solana. Salaries are stored as Nillion secret shares, and employees withdraw with Groth16 proofs that the program verifies onchain.
- Wrote the Anchor program and the web app, and routed payments through MagicBlock so amounts stay hidden. Shipped on devnet for the Colosseum Frontier Hackathon (code).

Ambassador & Freelance Developer Advocate, SNS, Oraichain, Push Protocol — 2022 – 2025

- Wrote tutorials and ran workshops that brought developers onto each ecosystem as an ambassador and advocate.

Selected Projects

- **Divergence Router** (Somnia): Trading router for the DreamDEX order book. It measures price divergence before each order and picks a maker order, a bounded IOC order, or a halt. Both legs of a paired contract fill in one transaction or the whole trade reverts. Solidity, ERC-6909, Viem. Code

- **Rootstock Paymaster Kit** (Rootstock): ERC-4337 v0.7 paymaster that lets users pay gas in ERC-20 tokens instead of RBTC, with an off-chain signing service. Verified on Rootstock testnet.
- **Liveness Vault** (Rootstock): Staking protocol where participants send heartbeats, and keepers can slash anyone who misses one. Foundry invariant tests with full coverage. Code
- **RBTC/USDT0 Lending Boilerplate** (Rootstock): Lending app where users deposit RBTC as collateral and borrow USDT0. Published in Rootstock's official GitHub organisation as a starter kit for developers.
- **Rootstock developer tools**: Fee-Radar estimates peg-out costs to Bitcoin, and Permit-Wiz debugs gasless EIP-712 signatures. Built during the Rootstock Builder Rootcamp.
- **Swarm Broker**: Payments between AI agents using the x402 protocol and EIP-2612 permits.
- **Labelo** (Initia): Marketplace that pays people onchain for labeling AI training data. Built for the DoraHacks INITIATE hackathon.

Skills

Smart contracts: Solidity, Foundry, Hardhat, Rust, Anchor, Compound III, ERC-4337, ERC-6909

Chainlink and cross-chain: Chainlink CRE, Chainlink VRF, Circle CCTP

Security and testing: Foundry fuzz and invariant tests, Certora review remediation

Zero knowledge and privacy: Circom, Groth16, snarkjs, Nillion, MagicBlock

Full stack: TypeScript, Next.js, React, Node.js, Viem, wagmi, PostgreSQL, MongoDB, Docker

Developer relations: tutorials and documentation, sample apps, workshops and bootcamps, hackathon design and judging, podcasting

Education

Computer Science Engineering, Samrat Ashok Technological Institute (SATI), Vidisha
Certifications: Solana Development (Rust, Anchor), Narra8ive; Blockchain Development, Alchemy University

Languages: English (professional), Hindi (native)