

Vivek Pal

Co-founder of Barestate Labs. I build computer-use and self-improving models that run on your desktop. Before that: Solana vaults, consensus for Filecoin subnets, and a Linux distribution. I live in Vietnam.

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now

Barestate Labs · co-founder

aug 2026 – present · barestate.xyz

Building computer-use and self-improving models that run on your desktop. Our on-device models, Atom (GUI grounding, ~0.5s per lookup on Apple silicon) and Orbit, power Barestate Orb, our macOS app. You talk to Orb and it works across your real apps alongside frontier agents like Claude Code and Codex, with local voice, a Touch ID vault so secrets never reach a model, and approval on every action.

work

01Resolved · founding engineer

aug 2026 – present · 01resolved.com

01Resolved is the intelligence layer for MetaDAO and futarchy-native organizations: treasuries, proposals, decision markets, and trader behavior. I lead the technical work on the API and web app.

Deeprealm Labs · contributor

may 2026 – aug 2026 · kanad.xyz

Built Kanad, a web-based quantum chemistry platform. Its governance-driven framework reaches chemical accuracy with PhysicsVQE in 17 evaluations, about 49x faster than standard VQE, and runs on IBM Quantum, BlueQubit, and IonQ. It covers bond-specific Hamiltonians, VQE and SQD solvers, molecular dynamics, and environmental effects. The thesis: chemistry, pharma, and materials researchers shouldn't need to write quantum code to use a quantum advantage when one exists.

Foundation Labs · cto

oct 2025 – may 2026 · fdnusr.com

Built Solana-native infrastructure for distributing institutional RWAs (Apollo ACRED, Hamilton Lane SCOPE, Fasanara mF-ONE) as permissionless Token-2022 vault shares with T+0 liquidity. Designed and shipped six Anchor programs: vaults, a NAV oracle (3-operator consensus plus TWAP), router, registry, leverage adapters, and a Token-2022 transfer hook that enforces lockups at the protocol level. Renounced upgrade authority on the core programs; admin runs through a Squads v4 multisig with a 48h timelock. Integrated Kamino, Drift, MarginFi, and Jupiter. Also shipped an ERC-4626 vault on Arbitrum with a NAV oracle and liquidity buffer.

PLDG Working Group & IPC · working group contributor

dec 2024 – oct 2025

Hierarchical consensus and subnet infrastructure for scaling decentralized networks. Contributed to consensus design, subnet checkpointing, and cross-subnet messaging, alongside open-source work on Forest and rust-libp2p.

ShastraOS · founder

mar 2021 – nov 2023 · gitlab.com/shastraos

An Arch-based Linux distribution with a custom decentralized package manager on Filecoin and IPFS. Built system utilities in Rust and GTK for GNOME, and content-addressed time-shift backups. 1,000+ downloads.

built

kdo

github.com/vivekpal1/kdo

Open-source workspace runtime for AI coding agents. It compiles a monorepo into an agent-readable representation served over MCP, detects agent loops, and enforces token budgets. One endpoint for Claude Code, OpenClaw, and any MCP client.

Wind Network · co-founder

github.com/wind-network/windexer

Decentralized data-streaming consensus network for Solana, built on libp2p gossipsub. 2nd place in the Jito GRID global hackathon; backed by Superteam and the Solana Foundation.

FOSS Community

fosscu.org

Took over my college's open-source community and grew it past 300 members.

recognition

2nd place, Jito GRID global hackathon	wind network
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Winner, Solana Global Hackathon	solway
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Solana Foundation grant	wind network
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Arcium Fellowship	2025
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Wormhole Fellowship Program	
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programs

Network School, Forest City	may 2026
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Protocol Labs Dev Guild	cohorts 1–3
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Filecoin Hacker House	protocol labs
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education

IFTM University, B.Tech computer science	2021–2025
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vivek pal

posts.vivek.cloud/pow.pdf
