

Amit

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Since 2024, I have been designing and shipping smart contract systems end-to-end — perpetuals DEXs, DAO governance, ERC-4337 account abstraction, and soulbound identity protocols. Every contract is deployed and verified on-chain, invariant-fuzz-tested before release, and paired with a production frontend. I care about getting the architecture right the first time — because on-chain, there is no hotfix.

TECHNICAL SKILLS

Languages	Solidity 0.8, TypeScript, JavaScript, Assembly / Yul
Contracts	Foundry, Hardhat, OpenZeppelin, EVM internals, gas optimisation, storage slot packing
Protocols	ERC-20/721/1155/4337/5484, EIP-712, EIP-1967 UUPS, Chainlink VRF / CCIP
Security	Slither, Echidna, stateful invariant fuzzing, CEI pattern, reentrancy-resistant, flash-loan-proof
Frontend	Next.js 14/15, Wagmi v2, Viem, Ethers.js, RainbowKit, TanStack Query v5
Infra	Vercel, Node.js, IPFS / Pinata, Git, Foundry DevOps, multi-chain deployment

ENGINEERING WORK

RST Protocol — ERC-5484 Soulbound Reputation 🔗 📄 <i>Smart Contract Engineer + Full-Stack · Independent</i>	Mar 2026
<ul style="list-style-type: none">ERC-5484 SBT identity layer — 5-tier dynamic SVG medals, UUPS upgradeable engine, score clamped [0–1000]; cooldown-gated vault with strict CEI, nonReentrant, fuzz-proved overflow-safe	
Nexus Perpetuals DEX v2 — Polkadot Hub 🔗 📄 <i>Smart Contract Engineer + Full-Stack · Independent · Polkadot Solidity Hackathon 2026 — Participant</i>	Feb 2026
<ul style="list-style-type: none">Ported full Nexus architecture to Polkadot Hub — live Binance WebSocket prices, CCIP margin, open-keeper liquidation; same 6,400-mutation invariant suite	
Nexus Perpetuals DEX — Ethereum Sepolia 🔗 📄 <i>Smart Contract Engineer + Full-Stack · Independent</i>	Dec 2025
<ul style="list-style-type: none">50× on-chain perp exchange — ERC-4337 NexusPaymaster (gasless UX), Chainlink CCIP cross-chain margin, reentrancy-resistant vault; 95 tests + 6,400 invariant mutations, zero solvency violations	
Sentinel DAO 🔗 📄 <i>Smart Contract Engineer + Full-Stack · Independent</i>	Oct 2025
<ul style="list-style-type: none">Modular governance — 48H DAOTimeLock, VetoCouncil + RageQuit exit, Aave V3 auto-compounding treasury, ERC-4337 gasless voting; 256 tests, zero failures	
ERC-4337 Account Abstraction 🔗 & UUPS Protocol 📄 <i>Smart Contract Engineer · Independent</i>	2025
<ul style="list-style-type: none">Built from raw EIP spec — validateUserOp, custom SimplePaymaster, session-key delegation; Yul-level EIP-1967 proxy with atomic V1→V2→V3 migration	
Decentralised StableCoin 🔗 & Merkle-712 Airdrop 📄 <i>Smart Contract Engineer · Independent</i>	2025
<ul style="list-style-type: none">200% overcollateralised stablecoin (wETH / wBTC) with oracle-manipulation-resistant liquidation; O(1) Merkle airdrop for 1M+ recipients, EIP-712 sig binding, phased vesting	
Core Protocol Implementations 🔗 <i>Smart Contract Engineer · Independent</i>	2024
<ul style="list-style-type: none">VRF provably-fair raffle · SISO ERC-20 (RBAC, Pausable, Sepolia verified) · CuteCat ERC-721 · Oracle Crowd-funding	
Cyfrin Updraft — Smart Contract & Security Engineering <i>Certification · Completed in Full</i>	2024
<ul style="list-style-type: none">EVM internals, Foundry invariant fuzzing, Slither static analysis, CEI + flash-loan resistance	
Alchemy University — Blockchain & Smart Contract Development <i>Certification · Completed</i>	2024