

YASHVARDHAN

Blockchain Engineer · Smart Contract Developer (Solidity/Go) · DLT & Distributed Systems

+91 8865952330 | vardhanyash20000@gmail.com | linkedin.com/in/yashvardhan18 | github.com/yashvardhan18

PROFESSIONAL SUMMARY

Blockchain Engineer with 4+ years building secure, production-grade smart contracts and decentralized applications (dApps) using Solidity and Go across Ethereum, Hyperledger Besu, Polygon, BSC, and NEAR. Strong grounding in distributed ledger technology (DLT) fundamentals, consensus algorithms, and cryptography — hashing, encryption, digital signatures, and key management — applied across wallet, settlement, and staking systems. Experienced building and scaling backend APIs (Node.js), asynchronous event pipelines with Kafka, and MongoDB-backed data layers, containerized with Docker and deployed via CI/CD pipelines on cloud infrastructure. Delivered systems managing \$30M+ in on-chain assets and 20K+ users across the full SDLC, with 40% documented gas optimization.

PROFESSIONAL EXPERIENCE

Blockchain Developer | Kratos Gamer Network

Apr 2025 – Jan 2026

- Built decentralized application (dApp) services using Solidity and Go, evaluating Hyperledger Besu as a permissioned DLT alternative to public Ethereum for internal settlement flows — deepening hands-on exposure to consensus algorithm trade-offs (PoA vs. PoS) across network types.
- Designed ERC-721 NFT contracts for luxury asset tokenization — implementing token issuance, minting controls, metadata lifecycle management, and transfer restriction hooks; increased platform engagement by 50%.
- Applied cryptographic key management and digital signature verification (ECDSA) for secure wallet transaction signing and on-chain/off-chain data integrity checks across the NFT metadata pipeline.
- Containerized blockchain services with Docker and built CI/CD pipelines (GitHub Actions) for automated testing, build, and deployment across cloud infrastructure, covering the full SDLC from design through production release.

Blockchain Developer | MaxelPay

Apr 2024 – Apr 2025

- Developed ERC-20 payment gateway smart contracts in Solidity for P2P settlement, escrow, and token swaps — serving 800+ merchants at \$10K USD daily transaction volume across public and permissioned network configurations.
- Built and scaled backend REST APIs using Node.js, with MongoDB for transaction and merchant metadata storage and Kafka for asynchronous event streaming between the payment engine and blockchain settlement layer.
- Applied cryptography fundamentals — hashing, encryption, and key management — to secure on-ramp/off-ramp fiat-to-crypto flows and protect merchant wallet credentials in transit and at rest.
- Integrated smart contracts with blockchain nodes (Infura/Alchemy) and ethers.js; deployed services via Docker containers with CI/CD pipelines on cloud infrastructure, and led code review / audit preparation enforcing CEI pattern and reentrancy safeguards.

Blockchain Lead | Antier Solutions

Apr 2022 – Apr 2024

- Authored multi-transaction staking contracts managing \$10M+ in ERC-20 token stakes, and developed cross-chain swap modules across Ethereum, Polygon, BSC, and NEAR — implementing lock-and-mint bridge patterns and nonce-based replay protection.
- Built automated smart contract test suites (Foundry + Hardhat) — unit, integration, fuzz, and invariant tests — with CI-gated gas regression snapshots achieving a 40% reduction in execution costs; integrated Golang/TypeScript backend services with blockchain node APIs following established software architecture and SDLC best practices.

Head of Engineering (Blockchain) | Colledger Protocol

Jan 2021 – Apr 2022

- Architected a DeFi lending protocol on Ethereum/Polygon with token issuance, minting, and redemption/burn lifecycle management; built compliance-enabled contracts with investor whitelisting and KYC-equivalent eligibility gates using Soulbound Tokens.
- Led cross-functional blockchain engineering team across the full software development life cycle — defining architecture, coordinating backend API integration, and translating decentralized-systems requirements into production contract design.

TECHNICAL SKILLS

Blockchain / DLT:	Solidity · Go · Ethereum · Hyperledger Besu · Polygon · Binance Smart Chain · NEAR Protocol · Consensus Algorithms (PoW/PoS/PoA) · Decentralized Applications (dApps) · Smart Contract Development, Testing & Deployment
Cryptography:	Hashing · Encryption · Digital Signatures (ECDSA) · Key Management · Wallet Security
APIs & Messaging:	Node.js · REST API Development · Kafka (Async Messaging) · Nest.js · Ethers.js
DevOps & Cloud:	Docker · CI/CD Pipelines · GitHub Actions · GitLab · Cloud Infrastructure (AWS) · Software Architecture · Full SDLC
Databases:	MongoDB · On-chain / Off-chain Data Modeling
Dev Tools:	Foundry (forge/cast/anvil) · Hardhat · Truffle · OpenZeppelin · Ganache · Infura · Alchemy
Testing:	Unit · Integration · Fuzz Testing · Invariant Testing · Gas Regression (forge snapshot)
Languages:	Solidity · Go (Golang) · TypeScript · Rust · JavaScript

EDUCATION & KEY ACHIEVEMENTS

B.Tech in Computer Science Engineering

GLA University, India | Aug 2018 – May 2022

\$30M+ Assets Managed	\$10M+ Staking Contracts	40% Gas Reduction	800+ Merchants Served	20,000+ Users Served
-----------------------	--------------------------	-------------------	-----------------------	----------------------