Shalmali Ayachit

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Professional Summary

Experienced Blockchain Developer with 6+ years in designing, building, and deploying smart contracts, decentralized applications (dApps), and wallet solutions. Proven expertise in Solidity, Ethereum, Casper, and Hyperledger ecosystems. Led blockchain education initiatives across India and contributed to major Layer-1 infrastructure projects. Passionate about Web3 innovation, security-first development, and scalable infrastructure.

Core Competencies & Skills

- Smart Contract Development: Solidity, Ethereum, Casper, ERC-20/721, NFTs, Wallets
- Blockchain Platforms: Ethereum, Hyperledger Fabric, Casper, Polygon
- dApp Ecosystem: Web3.js, Hardhat, Ethers.js, Metamask, IPFS
- Backend & APIs: Node.js, FastAPI, REST/gRPC, Docker, PostgreSQL
- DevOps & Monitoring: CI/CD, GitHub Actions, Prometheus, Grafana
- Programming Languages: Go, Python, JavaScript, TypeScript

Professional Experience

Developer Advocate (Blockchain)

CasperLabs LLC • Remote • Oct 2021 – Sep 2024

- Led developer onboarding for Casper's Layer-1 blockchain, improving developer tools and API usability.
- Built sample dApps, SDKs, and smart contract templates using Solidity, Web3, and gRPC.
- Created documentation and testing tools that reduced onboarding time by 40%.
- Collaborated with ecosystem partners to deploy decentralized applications and integrations.

Blockchain Consultant

ISB Hyderabad – Digital Identity Research Institute • Hyderabad • Feb 2021 – Oct 2021

- Architected blockchain-based KYC and digital identity systems using hybrid architectures.
- Integrated smart contract-based fraud detection mechanisms with secure backend APIs.
- Developed APIs and Dockerized services for secure on-chain/off-chain workflows.

Technical Consultant – Blockchain Curriculum & Enablement

TalentSprint | IIIT-H • Hyderabad • Jun 2018 – Nov 2021

- Designed and implemented India's first large-scale blockchain training for 230+ professionals.
- Created smart contract labs, sandbox environments, and curriculum frameworks.
- Mentored engineering teams in Solidity, Hyperledger Fabric, and wallet integration.

Solution Architect – Blockchain SaaS

PGK Technologies • Hyderabad • Dec 2020 – Oct 2021

- Designed blockchain-based campus hiring SaaS platform for talent credentialing.
- Led contract development and backend integration using Node.js and PostgreSQL.
- Deployed scalable infrastructure on AWS using Docker and CI/CD pipelines.

Education

M.Tech – Computer Science and Engineering
JNTU, Hyderabad
B.E. – Information Technology
Pune University

Assistant Professor – Computer Science

Pune University and JNTU Hyderabad | September 2009 – May 2018

Publications & Speaking

- AI Agents and Blockchain: A Perfect Synergy for the Future – Medium Article
- Smart Contract 101 Webinar – IIIT-H
- Meetups & Panels – Telangana Blockchain Policy Meet, College Blockchain Evangelism