

DAYAL MUKATI

Chief Technology Officer · Blockchain & AI Architect · Enterprise Trainer

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KEY SANDBOXES

eNaira — CBN Sandbox

Central Bank of Nigeria

Institutional blockchain sandbox for digital currency and payments experimentation. Led architecture and Hyperledger Fabric enablement; multi-batch CBN training with live PoCs including Customer KYC.

Bharat Blockchain Sandbox

AICTE-supported · IDS / BBN

National sandbox enabling startups and academic teams to build, test, and launch blockchain applications on shared hybrid infrastructure across 100+ universities.

KEY PROJECTS

Bharat Blockchain Network

Hybrid blockchain infrastructure connecting 100+ universities for credentials, research collaboration, and institutional nodes.

Polyversity Metaverse

NFT-driven education ecosystem with virtual campuses, land parcels, and tokenized credentials on BBN.

1*Works DAO Platform

AI + Blockchain talent marketplace with Skill DID and tokenized workforce governance.

Insurance Consortium

Blockchain platform serving 10+ BFSI service providers.

Linux Foundation Courses

Creator of official Hyperledger Fabric (LFS270) and Hedera Hashgraph developer programs.

EDUCATION

B.E. Electronics & Communication

Rajiv Gandhi Pradyogiki Vishwavidyalaya (RGTU), Bhopal · 2014

PROFESSIONAL SUMMARY

Innovative and results-driven Chief Technology Officer with 11+ years experience designing and delivering enterprise-grade Blockchain and platforms across finance, energy, worktech, and education. Recognized building production sandboxes—including **eNaira for the Central Bank Nigeria** and the **Bharat Blockchain Sandbox (AICTE)** for startups to build blockchain apps—and for creating the official Hyperledger Fabric (LFS270) and Hedera Hashgraph courses. Trained 9,000+ professionals worldwide across BFSI, government, energy, and education.

WORK EXPERIENCE

Chief Technology Officer (CTO)

Nov 2025 – Present

1*Works, Pune, Maharashtra, India

- Leading technology strategy for 1*Works, an enterprise-grade DAO and Skill DID based platform integrating AI, Blockchain, and Tokenized Workforce systems.
- Driving AI-powered product modules including Talent Discovery, Knowledge RA Engine, and WRKS Token governance.
- Managing full lifecycle from architecture through development to deployment using Next.js, Nest.js, MongoDB, and Docker.

Generative AI & Blockchain Architect

Aug 2022 – Nov 2023

Information Data Systems (IDS), Hyderabad, India

- Bharat Blockchain Sandbox (AICTE):** Architected the national sandbox within Bharat Blockchain Network so startups, universities, and government bodies can build, test, and launch blockchain DApps on shared hybrid infrastructure spanning 100+ institutions.
- eNaira (Central Bank of Nigeria):** Designed and delivered the institutional sandbox for CBN—a controlled environment for digital currency and payments experimentation, Hyperledger Fabric PoCs (including Customer KYC), and multi-batch technical enablement.
- Led design and deployment of Bharat Blockchain Network and Polyversity, India's first university metaverse built on BBN.
- Spearheaded energy-sector AI implementation for energy accounting and sustainability tracking.
- Conducted corporate trainings for Central Bank of Nigeria, FluentGrid, and IBF Singapore on Generative AI, Hyperledger Fabric, and blockchain adoption.

Blockchain Consultant

Apr 2021 – Aug 2021

Nihilent Technology, Pune, Maharashtra, India

- Defined blockchain adoption strategies for BFSI clients and developed proof-of-concepts.
- Mentored teams on smart contract design and agile delivery practices.
- Led development of the Insurance Consortium platform on Blockchain with 10+ service providers.

TECHNICAL SKILLS

Blockchain: Hyperledger Fabric, Hedera, Polygon, Ethereum

AI / GenAI: Claude, Gemini, ChatGPT, GitHub Copilot, Cursor, RAG, Agents, MCP, n8n, Flowise

Languages: GoLang, Node.js, TypeScript, JavaScript

Frameworks: Nest.js, Express, Next.js, Angular

Infrastructure: Kubernetes, Helm, Docker, HashiCorp Vault, GitOps

Practices: Agile, Microservices, System Architecture, Mentorship

CERTIFICATIONS

- Hyperledger Fabric Certified Practitioner (HFCP)
- Certified Hyperledger Fabric Practitioner (CHFP)
- Certified Hyperledger Fabric Administrator (CHFA)
- IBM Blockchain Consultant
- IBM Certified Blockchain Developer
- Linux Foundation — LFS270 Hyperledger Fabric Course Creator
- Linux Foundation — Hedera Hashgraph Course Creator
- Ethical Principles for Conversational AI (LFS118)
- Getting Started with Self-Sovereign Identity (LFS178)
- Agile Foundation

INDUSTRIES

- Financial Services (BFSI)
- Government & Central Banking
- Education & Academia
- Energy & Sustainability
- Defense & Research
- WorkTech / DAO
- Telecom

FOCUS AREAS

- Blockchain Sandbox Architecture
- Hyperledger Fabric Enterprise Design
- AI Strategy & Generative AI
- Prompt Engineering & LLM Production
- AI Agents & RAG Systems
- Decentralized Identity (DID)
- Technical Leadership & Training

WORK EXPERIENCE (CONTINUED)

Blockchain Lead / Consultant HCL Technologies
HCL Technologies, Pune, Maharashtra, India

- Established Blockchain Center of Excellence and implemented Hyperledger Fabric networks for enterprise solutions.
- Integrated CI/CD pipelines and cryptographic security layers for decentralized deployments.
- Led development of an NFT-based painting auction platform.

Team Lead / Software Developer Apr 2015 – Feb 20
Snapper Future Tech / IBM

- Developed GoLang chaincodes and Node.js REST APIs for Angular front-ends connected to Hyperledger Fabric.
- Led SnapCert credentialing solution linking universities on blockchain.
- Managed Agile teams and standardized DevOps and reporting tools across delivery programs.

TRAINER EXPERIENCE

- Central Bank of Nigeria (Dubai / Singapore)** — Delivered advanced Blockchain and Generative AI programs across 5 batches; eNaira sandbox enablement and Hyperledger Fabric bootcamp with end-to-end PoC implementation.
- NPCI (National Payments Corporation of India), Hyderabad** — Trained 200+ professionals on Blockchain across 5 batches.
- IBF Singapore** — Conducted 8 batches of Blockchain and Generative AI training for 150+ developers.
- DRDO (Defence Research and Development Organisation), Delhi** — Delivered blockchain advisory sessions to scientists.
- Emurgo, Bangalore** — Trained 100+ learners on Blockchain across 6 batches
- Intellipaath / HCL** — Corporate Hyperledger Fabric training for multiple enterprise clients.
- UpGrad, Mumbai** — Advised on Blockchain curriculum design and course development.
- InfoBeans, Indore** — Delivered Fabric training for internal development teams.
- FluentGrid** — Generative AI and blockchain workshops for energy-tech teams.
- Tanla Systems** — Enterprise Blockchain and AI training programs.

LEADERSHIP & STRATEGIC SKILLS

- Vision-driven technology leadership across AI and Blockchain ecosystems.
- Expertise in team building, mentorship, and cross-functional collaboration.
- Strategic planning for product innovation, scaling, and go-to-market execution.
- Proven ability to bridge business goals and deep-tech implementation.
- Experienced in client engagement, partnership building, and technical evangelism.

Dayal is committed to shaping an AI-powered decentralized future where Blockchain and Artificial Intelligence enhance transparency, efficiency, and security across industries. His expertise in enterprise blockchain adoption, sandbox platforms, AI-driven automation, Web3 infrastructure, and digital identity solutions continues to empower organizations and inspire the next generation of blockchain and AI professionals worldwide.