

SKILLS

AI & Machine Learning

Multi-Agent Systems, OpenAI Swarm, RAG, OpenAI API, Vector DBs

Blockchain & Web3

Cosmos SDK, Solana, Smart Contracts, DeFi Protocols, IBC, Validator Operations

Programming

Python, JavaScript/TypeScript, Bash

DevOps & Cloud

Kubernetes, Docker, Terraform, AWS, CI/CD, Prometheus, Grafana, Tailscale

Databases

PostgreSQL, MongoDB, Redis, Elasticsearch, Timescale

Web Technologies

FastAPI, WebSockets, React, Next.js, Node.js, REST APIs

EDUCATION

Bachelor of Technology

Computer Science & Engineering  
Vellore Institute of Technology  
2012 - 2016

KEY ACHIEVEMENTS

- Led 15+ member engineering teams
- Managed L1 Blockchain with 100+ validators
- Blockchain infrastructure provider for Cosmos
- 65% infrastructure cost reduction
- Running on decentralized infrastructure cloud
- Built Multi-Agent AI for Solana Blockchain

TECHNOLOGIES

Cosmos SDK  
AWS  
OpenAI Swarm  
Solana  
Kubernetes  
Terraform  
Docker  
Azure DevOps Pipelines  
Cloudflare  
IPFS  
Akash Cloud

SURENDRA PATIL

DEVOPS LEADER | AI-BLOCKCHAIN INTEGRATION ARCHITECT

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PROFESSIONAL SUMMARY

Versatile Technology Leader with 8+ years of progressive experience spanning traditional software development, DevOps transformation, blockchain infrastructure, and cutting-edge AI integration. Currently pioneering multi-agent AI systems for blockchain automation while managing complex Web3 infrastructure. Proven ability to lead cross-functional teams (15+ members), architect scalable solutions, and drive innovation at the intersection of AI and blockchain technology. Deep expertise in Cosmos ecosystem, Solana development, DeFi protocols, and cloud-native DevOps practices.

PROFESSIONAL EXPERIENCE

Head of Blockchain Engineering & AI Integration Comdex

February 2022 - June 2025 | UAE (Remote)

- Architecting sophisticated multi-agent AI orchestration model for automated blockchain operations using OpenAI
- Led 15+ member cross-functional team for AllInGaming platform
- Designed and implemented RAG architecture for blockchain data intelligence with vector databases and real-time ingestion
- Orchestrated complete mainnet launch of Comdex L1 blockchain with 100+ validators and zero downtime
- Deployed comprehensive DeFi suite (cSwap DEX, Harbor Protocol, Commodo)
- Established Validator-as-a-Service across 8+ Cosmos mainnet chains
- Reduced infrastructure costs by 65% through bare metal optimization and strategic resource management

DevOps Infrastructure Specialist AVIZVA

August 2021 - February 2022 | Delhi, India (Remote)

- Collaborated with Aflac Dental & Vision DevSecOps team to modernize legacy infrastructure to cloud-native architecture
- Developed reusable Terraform modules for AWS infrastructure automation
- Created Azure DevOps pipelines with automated testing, security scanning, and blue-green deployment strategies
- Implemented Kubernetes orchestration

DevOps Engineer (Project Scientific Officer - B) Tata Institute of Fundamental Research

January 2018 - January 2021 | Mumbai, India

- Implemented Docker in production at TIFR, managing 80+ containers for 25+ institutional websites
- Maintained NROER platform serving students with Django, MongoDB, and Elasticsearch
- Conceptualized DOER Project - offline education solution deployed in rural schools using P2P sync
- Implemented centralized logging with ELK stack and monitoring with Prometheus/Grafana

Software Developer Indian Institute of Technology, Bombay

February 2017 - January 2018 | Mumbai, India

- Led PHP migration project (5.6 to 7.2) for 20+ applications improving performance by 30%
- Conducted security audits finding and fixing 50+ vulnerabilities including SQL injection and XSS
- Developed automated deployment system and self-service portals for researchers

KEY PROJECTS

JustX.ai - Multi-Agent AI Platform

- Building conversational AI interface for blockchain interactions using natural language processing
- Implementing context-aware transaction execution across multiple chains with safety mechanisms
- Designing modular agent system for DeFi operations, risk assessment, and cross-chain bridging

AllInGaming - Blockchain Gaming Platform

- Architected provably fair gaming system
- Launched 8 casino games
- Built real-time multiplayer infrastructure for concurrent users

DeFi Ecosystem Suite

- Maintained order book DEX (cSwap) for high trading volume
- Deployed algorithmic stablecoin (Harbor) maintaining <1% price deviation
- Deployed lending/borrowing platform (Commodo) with automated liquidation engine