

ANISH RANE

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Highly skilled Backend and Web3 Developer with over 4.5 years of experience architecting, deploying, and managing scalable systems for high-availability environments. Proven expertise in JavaScript/TypeScript, NestJS, and multi-cloud platforms (AWS, GCP, Azure). Adept at building robust microservices, decentralized applications, and contributing to open-source projects in the AI and DeFi ecosystems.

TECHNICAL SKILLS

- Languages: JavaScript, TypeScript, Python
- Backend Frameworks: NestJS, Express.js, Node.js
- Databases & Caching: PostgreSQL, Redis
- Messaging & Queues: BullMQ, Kafka, Azure Service Bus, GCP Pub/Sub
- Cloud Platforms: AWS, GCP, GKE, Cloud Storage, Compute Engine, Load Balancers, Pub/Sub, Docker, Kubernetes (GKE), Jenkins, PM2, NGINX, HashiCorp Vault
- Web3 & Blockchain: Solidity, Web3 RPC, Ethereum, Algorand, Solana, TON

PROFESSIONAL EXPERIENCE

Xfinite Global Plc (Eros International), Software Developer

2021 - Present

- Architected and scaled microservice-based backend infrastructure using NestJS, Node.js, and PostgreSQL, improving system reliability to 99.9% uptime while reducing API response times by 35% for high-traffic applications.
- Built asynchronous event-driven systems integrating Redis, Kafka, BullMQ, Azure Service Bus, and GCP Pub/Sub, enabling real-time data processing and improving message queue throughput by 2.5x.
- Developed enterprise-grade crypto payment and custodial transaction processors with Web3 RPC integration and HashiCorp Vault-secured key management, ensuring secure financial transactions.
- Led multi-cloud DevOps migration from AWS to GCP infrastructure, reducing deployment cycles from hours to minutes through Docker containerization, Kubernetes (GKE) orchestration, and automated CI/CD with Jenkins, PM2, and NGINX.
- Utilized **AWS (S3, EC2, SQS, SES)** and **GCP (GKE, Compute Engine)** for scalable, cost-efficient infrastructure.
- Delivered blockchain identity verification modules on Algorand network, implementing token airdrop systems, automated distribution mechanisms, and NFT-based KYC solutions for secure user onboarding.

Open Source Software Contributions

DPSN (Decentralized Publish-Subscribe Network): A decentralized data marketplace for real-time, censorship-resistant streaming data used by AI & DeFi. (docs: <https://docs.dpsn.org>)

- **Node.js SDK (dpsn-client-nodejs)** : Developed node library from scratch to support publishing/subscribing logic, added comprehensive error handling, and improved documentation for better developer experience.
GitHub: <https://github.com/DPSN-org/dpsn-client-nodejs> | *NPM*: <https://www.npmjs.com/package/dpsn-client>
- **Python SDK (dpsn-python-client)** — implemented subscription flows, and refined payload serialization for cross-platform compatibility.
GitHub: <https://github.com/DPSN-org/dpsn-python-client> | *PyPI*: <https://pypi.org/project/dpsn-client/>
- **Integrations with Agentic AI Projects:**
 - [GAME by Virtuals](#): Contributed PRs to both [Python](#) (#110) and [Node.js](#) (#95) versions to integrate DPSN streaming capabilities for their Agentic Ai framework.
 - [Goat-SDK](#) (Agentic DeFi): Submitted PRs for [Python](#) (#481) and [Node.js](#) (#480) to add DPSN support, enabling real-time data access to Ai agents for DeFi operations.
- Enabled AI agents to consume decentralized real-time data from DEX's , fortified SDK reliability, and extended DPSN adoption within emerging AI and agentic ecosystems.

EDUCATION

Qualification	Institute	Year	CGPA/%
B-Tech (CSE)	Vidyalankar Institute of Technology	2020	7.68 /10