

Emmanuel Christopher

Web3 DevOps / SRE / Infrastructure Engineer

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PROFESSIONAL SUMMARY

DevOps and Infrastructure Engineer managing production-grade blockchain RPC and node systems. Operated over 15 chains in production, reduced RPC p99 latency from approximately 2 seconds to under 250 milliseconds, and lowered AWS costs by 45% while maintaining uptime. Previously a founding infrastructure engineer at GlueX; currently building Krainode.

PROFESSIONAL EXPERIENCE

RESTOREAI (BY GHOSTDOG)

Delaware, USA (Remote)

Cloud Platform / DevOps Architect

Feb 2026 - Present

- Owned full infrastructure stack from day one at an early-stage AI startup, migrating from a managed platform to Nebius cloud in 1 week, 50% ahead of the 2-week plan.
- Provisioned GPU and non-GPU compute, managed Postgres, object storage, and networking entirely via Terraform, written from scratch for full reproducibility.
- Replaced managed vector DB dependency with a self-hosted solution, reducing vendor lock-in and improving operational visibility.
- Deployed NVIDIA VSS and NIM inference stack on Nebius GPUs: Llama 3.1, Cosmos 2B, embedding and reranker models, and a VSS pipeline for video search and summarization.
- Built CI/CD pipelines for Terraform and Terragrunt on GitHub Actions with Trivy vulnerability scanning, automated deployment, and rollback for microservices.
- Containerized the application and documented the full architecture end-to-end; delivered with maximum client satisfaction.

KRAINODE

REMOTE

Founder + DevOps & Infrastructure Engineer

Sep 2025 - Present

- Developed an open-source, browser-based JSON-RPC playground that allows developers and infrastructure teams to test and benchmark RPC endpoints across multiple EVM chains.
- Designed a static, low-latency architecture delivered through Caddy with enforced TLS and security headers.
- Implemented dynamic chain configuration from YAML to JSON, enabling rapid provider updates and failover testing.
- Added instrumentation for latency, timeout, and reliability to highlight provider performance characteristics.
- Collaborated with RPC providers to resolve network issues and publish comparative diagnostics.

GLUEX PROTOCOL (FORMERLY OTEX)

South Holland, Netherlands (Remote)

Founding DevOps & NodeOps Engineer

Mar 2024 - Aug 2025

- Managed production infrastructure for over 15 blockchain networks, operating full and archive nodes with high-availability RPC paths.
- Reduced RPC p99 latency from approximately 2 seconds to under 250 milliseconds through routing, connection pooling, and kernel and network tuning.
- Reduced AWS infrastructure costs by 45%, from \$25,000 to \$13,000 per month, through right-sizing, pruning, autoscaling, and traffic optimization.
- Built a comprehensive observability stack (Prometheus, Grafana, Loki, OTEL) with SLO dashboards, alerts, and incident response workflows.
- Automated CI/CD and infrastructure provisioning with Terraform, Terragrunt, and GitHub Actions, reducing

deployment time from approximately 10 minutes to 2 minutes.

EVERMIGHT

Toronto, Canada(Remote)

Cloud Security Engineer Part-Time

Jan 2024 - Mar 2024

- Strengthened cloud-hosted applications and infrastructure by addressing security vulnerabilities across five deployments, improving uptime and reducing risk.

Chain Co-Op

Lagos, Nigeria(Remote)

Freelance Data Engineer

MAR 2023 - Dec 2023

- Automated ETL and ELT processes on GCP (GCS, BigQuery, PubSub), consolidating over seven sources, reducing manual operations by 70 percent, and lowering storage costs by 25 percent.

PROJECTS AND ARTICLES

- **KraiNode:** Multi-chain JSON-RPC web playground (Postman for blockchain). used by 400+ devs globally. [Repo](#), [Live](#)
- [Debugging Blockchain Nodes](#)
- [Starknet Mainnet full node article](#)
- [Tempo Testnet RPC Node Article](#)
- [Hosting Fizzy on Coolify + Hetzner](#)
- **EVM RPC Benchmark:** A benchmarking analytics tool to test the performance of an RPC endpoint. [Repo](#) [Live Link](#)
- **Hyperevm-node-k8s:** Enables reproducible node deployment on k8s with integrated probes and dashboards. [Repo](#)
- **Monitoring-Grafana-k8s:** Monitoring Infra with Open source tools using Kubernetes. [Repo](#)

EDUCATION

ALTSCHOOL AFRICA

Lagos, Nigeria

Diploma in Data Engineering

Top-performing Graduate

TECHNICAL SKILLS

- **Cloud & Infra:** AWS (EC2, VPC, EBS, IAM, Cloudwatch, GA), Terraform, Terragrunt, Nebius, Docker, Bare-metal servers, GitHub Actions, Kubernetes
- **Observability:** Prometheus, Grafana, Loki, OTEL
- **Blockchain Infra:** EVM JSON-RPC, full/archive nodes, RPC HA, snapshots
- **Data & APIs:** PostgreSQL, MySQL, DynamoDB, FastAPI
- **Languages:** Python, Bash, SQL, Rust, Typescript
- **OSS Contributor and Hackathon:** [CowProtocol](#), [Tempo](#), [DefiLlama](#), [EVMtools](#), [Sensei-Node](#), [Constellation: A Chainlink Hackathon](#), [Soonami.io AI Event](#), [Rust-web-status](#)