

Emmanuel Ibok SENIOR DEVOPS ENGINEER Lagos,Nigeria +2348066660893 @ ibokemmanuel17@gmail.com Linkedin		
Summary	Senior DevOps Engineer with 7+ years building high-performance distributed systems and P2P infrastructure, including 3+ years in senior roles optimizing blockchain networks, data propagation protocols, and validator infrastructure. Expert in Kubernetes, Terraform, and observability systems with proven experience scaling decentralized networks, reducing latency, and implementing resilient architecture for mission-critical distributed applications serving millions of users	
Experience	ADCAR TECHNOLOGY LLC SENIOR DEVOPS ENGINEER Jan 2023 - Present - Architected and maintained Ethereum validator infrastructure supporting 15% of network stake, implementing multi-region Kubernetes clusters with automated failover reducing validator downtime by 95% and increasing APY by 12% - Built high-performance P2P data propagation systems using libp2p and custom protocols, optimizing block propagation latency by 40% and reducing bandwidth consumption by 30% across 200+ validator nodes - Implemented comprehensive observability stack with Prometheus, Grafana, and OpenTelemetry, creating custom dashboards for network health KPIs including propagation delay, attestation inclusion rates, and validator performance metrics - Designed and deployed infrastructure-as-code solutions using Terraform and Helm charts for rapid deployment of distributed node clusters across AWS, GCP, and Azure with 99.9% uptime SLA - Led incident response and post-mortem processes for network disruptions, developing automated runbooks and monitoring alerts that reduced mean time to recovery (MTTR) from 45 minutes to 8 minutes - Mentored team of 5 DevOps engineers on distributed systems architecture, P2P networking protocols, and consensus mechanisms, resulting in 60% faster onboarding and 35% improvement in team productivity Dominion Systems Inc DevOps Engineer Feb 2020 - Dec 2022 - Built and scaled Layer 2 blockchain infrastructure supporting 1B+ transactions and 130M+ unique addresses, implementing zkEVM rollup technology with 10x throughput improvements and 90% cost reduction - Developed automated CI/CD pipelines using GitHub Actions and ArgoCD for multi-arch Docker builds and secure container deployments across development, staging, and production environments serving 7,000+ dApps - Implemented comprehensive monitoring and alerting systems using Prometheus, Grafana, and custom Go automation tools, providing real-time visibility into network performance, validator health, and transaction throughput - Designed and deployed multi-cloud Kubernetes clusters using Terraform and Helm, managing containerized validator nodes and gateway services with automated scaling based on network demand and transaction volume - Optimized P2P networking protocols and data propagation mechanisms, reducing block propagation time by 50% and improving network resilience through enhanced peer discovery and connection management algorithms - Collaborated with protocol engineers on large-scale network experiments and performance optimization, implementing security hardening measures including DDoS protection, API rate limiting, and peer identity validation Tyson Foods Linux System Administrator Feb 2018 - Nov 2019 - Built foundational experience in distributed database infrastructure and high-availability systems, supporting enterprise deployments for 25,000+ customers with stringent uptime and performance requirements - Implemented early containerization and orchestration solutions using Docker and Kubernetes, developing automated deployment pipelines for distributed database clusters with built-in scaling and backup capabilities - Designed monitoring and alerting systems using CloudWatch and custom Python scripts, providing comprehensive visibility into database performance metrics, replication lag, and cluster health across global deployments - Developed infrastructure automation using AWS services and infrastructure-as-code practices, optimizing resource utilization and reducing operational overhead by 45% while maintaining 99.95% availability SLA - Participated in 24/7 on-call rotation for production systems, gaining expertise in incident response, root cause analysis, and performance optimization for mission-critical distributed database workloads - Collaborated with development teams on system architecture and performance tuning, implementing best practices for distributed systems including data consistency, fault tolerance, and network partition handling	
Education	University of Calabar Electonic and Computer Technology	10/2021 B.Sc
Skills	Cloud & Infrastructure Kubernetes, Docker, Terraform, Ansible, Helm, Multi-cloud deployments Observability & Monitoring: Prometheus, Grafana, OpenTelemetry, Loki, ELK Stack Programming & Automation: Go, Python, Bash scripting, Infrastructure-as-Code Networking & P2P: TCP/UDP protocols, libp2p, gRPC, NAT traversal, DDoS mitigation CI/CD & DevOps: GitHub Actions, GitLab CI, ArgoCD, Jenkins, Automated deployments Distributed Systems: P2P networks, Data propagation, Consensus protocols, Blockchain infrastructure	Security & Hardening: IAM policies, Secrets management, Infrastructure hardening, Network security Database & Storage: PostgreSQL, Redis, DynamoDB, Distributed storage systems Message Queues: Apache Kafka, RabbitMQ, Amazon SQS, Event streaming Cloud Platforms: AWS (EC2, S3, RDS, Lambda, VPC, IAM, CloudWatch), GCP, Azure, Digital Ocean Blockchain Technologies: Validator infrastructure, Node operations, Consensus mechanisms Operating Systems: Linux (Ubuntu, RHEL, Amazon Linux), Container orchestration