OCHUKO WHORO

Infrastructure & Platform Engineer

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PROFESSIONAL SUMMARY

Kubernetes (CKA) Certified Infrastructure & Platform Engineer with hands-on experience designing, automating, and operating production cloud infrastructure across on-premises and AWS environments. Experienced building Kubernetes platforms, Infrastructure as Code, CI/CD systems, internal developer platforms, and cloud-native tooling using Terraform, Kubernetes, Docker, Go, GitHub Actions, and Jenkins. Passionate about building reliable, scalable infrastructure that improves developer productivity through automation and self-service platforms.

CORE EXPERTISE

- Kubernetes Platform Engineering and Developer Platforms
- Infrastructure as Code, Configuration as Code and AWS Infrastructure
- GitOps & CI/CD
- Linux Storage, Networking and Performance
- Observability and Reliability (SLIs, SLOs & SLAs)

SKILLS

Linux & Networking: Ubuntu, RHEL, Amazon Linux
Infrastructure as Code: Terraform, Ansible, Packer
Cloud Platforms: AWS (EC2, EKS, VPC, IAM, ECR, RDS, S3, ALB, Auto Scaling Groups)
Containers & Platforms: Kubernetes, Docker, Helm, ArgoCD, Istio
CI/CD & Automation: GitHub Actions, Jenkins
Observability & Monitoring: Prometheus, Grafana, Loki, Tempo, OpenTelemetry
Programming Languages: Bash, Go, Python, TypeScript
Databases: PostgreSQL, MySQL

CERTIFICATIONS

Certified Kubernetes Administrator (CKA) - Earned June 2026

PROFESSIONAL EXPERIENCE

Platform Engineer (Volunteer) — STARIX

September 2025 - Present

- Designed and implemented the foundational AWS platform for a cloud-native microservices application, provisioning reusable infrastructure with Terraform across networking, compute, storage, and security services.
- Built standardized CI/CD workflows using GitHub Actions to automate code validation, container image builds, and deployments across development, staging, and production environments, enabling consistent delivery for multiple microservices.
- Implemented reusable infrastructure components including Amazon ECR, Auto Scaling Groups, Docker Compose deployments, and Packer-built AMIs, creating immutable deployment environments and reducing operational overhead.
- Partnered with frontend and backend engineers to define infrastructure requirements, deployment strategies, and production readiness for a scalable microservices platform designed to support future product growth.

Platform Engineering Support (Contract) — AMD

February 2026 - May 2026

- Assisted the Platform Engineering team in developing and maintaining Jenkins-based CI/CD workflows supporting ROCm, XGBoost, and software releases across Ubuntu, RHEL, and Rocky Linux environments.
- Contributed to the development and refactoring of Jenkins pipelines using Groovy, improving automation, maintainability, and standardization of build and release processes.

- Built parameterized Jenkins workflows for software packaging, Docker image creation, validation, and multi-platform release automation.
- Automated operational tasks including artifact cleanup, dependency management, container image cleanup, and scheduled maintenance workflows through Jenkins jobs.
- Supported Kubernetes-based testing environments and assisted with troubleshooting CI/CD pipeline failures, release issues, and platform automation workflows.
- Collaborated using Jira, Confluence, Git, Microsoft Teams, and AI-assisted engineering tools to support sprint execution, documentation, and platform engineering initiatives.

Platform Engineer (Contract) — BLUEWAND

March 2025 - September 2025

- Led the migration of production workloads from DigitalOcean to AWS, designing cloud infrastructure with VPC, EC2, Auto Scaling Groups, Application Load Balancers, Amazon RDS, Amazon S3, and Amazon ECR to improve scalability, reliability, and operational efficiency.
- Designed and implemented production CI/CD pipelines using GitHub Actions, incorporating code quality checks, linting, automated testing, Docker image builds, and publishing container images to Amazon ECR, enabling reliable deployments across development, staging, and production environments.
- Built immutable Amazon Machine Images (AMIs) with Packer for Auto Scaling Groups, standardizing EC2 provisioning, reducing instance launch times, and ensuring consistent deployment environments across the platform.
- Automated containerized application deployments on EC2 using Docker Compose, configuring self-healing services, health checks, and Auto Scaling Groups to ensure high availability and reliable application delivery.
- Provisioned and integrated core AWS services, including Amazon RDS for application data and Amazon S3 for static asset storage, implementing secure networking and connectivity between application services and cloud resources.
- Reduced monthly cloud infrastructure costs by approximately 75% by redesigning the platform architecture during the migration from DigitalOcean to AWS while delivering a standardized infrastructure that improved deployment reliability and developer productivity.

Cloud & Platform Engineer — Nyxidiom

May 2024 - January 2025

- Designed, provisioned, and maintained AWS cloud infrastructure using Terraform and Ansible, automating EC2, VPC, networking, storage, and Kubernetes resources to improve deployment consistency and reduce manual operations.
- Built and operated Kubernetes platforms across Amazon EKS and self-managed environments, implementing GitOps workflows, ingress management, storage provisioning, ETCD backup automation, and workload security controls.
- Developed and maintained CI/CD and GitOps delivery pipelines using GitHub Actions, Jenkins, Docker, and ArgoCD, reducing release times by approximately 60% and enabling automated application deployments.
- Built observability solutions using Prometheus and Grafana, creating dashboards, monitoring workflows, and operational visibility for Kubernetes workloads and cloud infrastructure.

PROJECTS

Production AWS Infrastructure Platform

GitHub: https://github.com/OchukoWH/Production-Grade-EKS-Gitops-Platform

- Built a production-grade AWS platform using Terraform, creating reusable infrastructure for networking, compute, storage, and Kubernetes.
- Implemented GitOps-based application delivery with ArgoCD, GitHub Actions, and self-hosted runners to automate infrastructure and workload deployments.
- Designed highly available Kubernetes infrastructure with autoscaling, observability, and security best practices for production workloads.

Infrastructure Deployment Pipeline

GitHub: https://github.com/OchukoWH/docker-build-push-and-update-argo-defs

- Designed a GitOps-based CI/CD platform using GitHub Actions, Docker, ArgoCD, and Amazon ECR.
- Automated container image builds, publishing, and Kubernetes deployments through GitHub Actions and GitOps workflows.
- Implemented secure continuous delivery with ArgoCD synchronization and secrets management for production workloads.