

Jeffry Hernández

Senior Site Reliability Engineer · Platform Engineer · Kubernetes (CKAD)

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Open to remote contractor / B2B engagements with US & EU companies. Based in Colombia (UTC-5) — flexible overlap with US and CET business hours.

PROFESSIONAL SUMMARY

Jeffry is a Senior SRE/DevOps with 7+ years in cloud infrastructure, security, and automation in the Azure ecosystem. For 4 years he has run production for a Fortune 100 US media client (via Wizeline) - AKS, App Service, Azure Functions, VNets, Private Link, NSGs, VPN Gateway, Key Vault, MID, Azure SQL on a hub-spoke topology with private DNS zones.

CKAD certified. Multi-cluster AKS admin, On-Prem/AWS -> Azure migrations, HPA/KEDA autoscaling, IaC with Terraform, led the Splunk to Datadog observability migration with APM including on-call shift design with PagerDuty.

Hands-on with AI model serving (KServe, Azure AI Foundry, AI Search) and MCP.

KCD Colombia Co-Organizer · CNCG Cali Chapter Organizer · KCD speaker.

CORE SKILLS

- **Containers & Compute:** Kubernetes (AKS, k3s), Docker, Helm, KEDA, HPA, Azure App Service, Azure Functions, VMSS
- **Azure Networking:** VNets, NSGs, Private Link/Endpoints, Application Gateway, Front Door, Azure Firewall, VPN Gateway, Azure DNS, Private DNS zones, hub-spoke topology
- **Identity & Security:** Microsoft Entra ID, Managed Identities, Azure Key Vault, RBAC, federated credentials (workload identity federation), HashiCorp Vault, CyberArk PAS
- **IaC & CI/CD:** Terraform, Azure DevOps, Jenkins, GitLab, GitOps, Bash, PowerShell, Python, Azure CLI
- **Observability & Incident Response:** Datadog, PagerDuty, Azure Monitor, Log Analytics, Application Insights, SLOs, on-call design, alert tuning
- **Data & Messaging:** Azure SQL Managed Instance, Confluent Cloud (Kafka)
- **AI Platform:** Azure AI Foundry, AI Search, KServe (model serving), LLM observability, MCP integration with Kubernetes
- **Systems & Networking:** Linux, Windows Server/IIS, TCP/IP, DNS, load balancing, firewall/WAF (Cisco, Fortinet)

PROFESSIONAL EXPERIENCE

Senior Site Reliability Engineer — Wizeline — Remote (client: Fortune 100 US media & entertainment company)

May 2022 – Present

- Operate production workloads on AKS, App Service, Azure Functions, and VMSS across multiple production environments supporting the client's global advertising platform — infrastructure fully managed as code with Terraform.
- Led near-zero-downtime migrations of application workloads across Kubernetes clusters and from AWS to Azure, designing cutover strategies over a hub-spoke network topology (VNets, NSGs, Private Endpoints, Application Gateway, Azure Firewall, VPN Gateway) with Private DNS zones.
- Secured application-to-database connectivity to Azure SQL Managed Instance using Private Endpoints with Private DNS zones under the hub-and-spoke network topology, keeping traffic off the public internet.
- Drove the monitoring migration from Splunk to Datadog: instrumented microservices with Helm-templated APM agents, integrated Datadog with Azure services and Confluent Kafka, and managed all monitors and alerts as Terraform code.
- Designed a new on-call workflow integrating PagerDuty, Azure DevOps, and Datadog, reducing alert noise and improving incident response times.
- Run observability across Datadog and the Azure Monitor stack (Log Analytics, Application Insights), with SLO-driven dashboards and continuous alert tuning.

- Improved cluster scaling behavior by tuning Horizontal Pod Autoscalers and adopting KEDA for event-driven autoscaling.
- Hardened the security posture: improved Kubernetes secret management with Azure Key Vault and Managed Identities, enforced RBAC, and shipped audit/access logs to SIEM systems.
- Built and maintained CI/CD pipelines (Azure DevOps, GitLab, Jenkins) for applications and infrastructure across Azure, AWS, and on-premises environments.
- Deployed machine learning models for internal applications and demos using KServe on Kubernetes, Azure AI Foundry, and AI Search; integrated MCP-based agents with Kubernetes clusters.
- Acted as Kubernetes subject-matter expert for developer teams, resolving infrastructure, scalability, and Kafka-related issues; automated Azure SQL Managed Instance backup/restore with PowerShell, secured via Managed Identities and Key Vault.

Systems Engineer (DevOps / Cloud) — EPAM Anywhere — Medellín, Colombia (Remote)

Feb 2022 – May 2022

- Managed CI/CD pipeline configurations on Azure DevOps and automated manual tasks with PowerShell and Azure CLI.
- Designed RBAC strategies to resolve permission issues across Azure tenants and remediated security vulnerabilities in cloud application environments.

DevOps Engineer — Perficient Latin America — Cali, Colombia

Oct 2020 – Dec 2021

- Migrated AWS monolithic applications to Azure AKS under a microservices architecture, replacing manual configuration with Terraform-managed infrastructure.
- Implemented HashiCorp Vault for secret management and a remote-access Cisco VPN integrated with Microsoft Entra ID (Azure AD).
- Standardized CI/CD pipelines (Jenkins) to streamline developer deployments and reduce lead time for changes.

Security Architect — B-SECURE — Cali, Colombia

Apr 2019 – Oct 2020

- Designed, deployed, and supported CyberArk Core PAS (Vault, CPM, PVWA, PSM, PTA, PSMP) including HA, DR, and replication for enterprise clients.
- Implemented on-premises and cloud firewall solutions (Cisco, Fortinet), published web apps via cloud WAF, and administered core network services (DNS, DHCP, HTTP, SMTP, proxy).
- Containerized internal applications with Docker and managed Windows Server and Linux environments. Earned CyberArk CDE and Fortinet NSE 1–3 certifications during this role.

COMMUNITY LEADERSHIP & SPEAKING

- **Co-Organizer — KCD Colombia (Kubernetes Community Days, CNCF):** part of the national organizing team; program curation, speaker coordination, and community growth across Colombia.
- **Chapter Organizer — Cloud Native Community Group (CNCG) Cali:** lead the local CNCF chapter, organizing recurring meetups, hands-on labs, and workshops on Kubernetes and cloud-native technologies.
- **Speaker:** "Hablándole a tu clúster de Kubernetes: IAs con Kubernetes" (AI agents & MCP on Kubernetes) — KCD Colombia 2025, co-presented with Guillermo Esguerra.
- **Speaker & lab facilitator at CNCG Cali meetups:** sessions on Kubernetes autoscaling (HPA/KEDA), observability, and platform engineering practices.

CERTIFICATIONS

- CKAD — Certified Kubernetes Application Developer (The Linux Foundation / CNCF)

EDUCATION

- B.Sc. Software Engineering — Politécnico Gran Colombiano, Colombia (completed while working full-time in industry)
- Technologist — SENA (Servicio Nacional de Aprendizaje), Colombia