Pedro Roa Cuevas

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DevOps Engineer with 5+ years of experience optimizing cloud environments, automating infrastructure, and enhancing system reliability. Expertise in Kubernetes, CI/CD pipelines, and cost optimization, with a proven track record of driving efficiency and reducing operational overhead.

SKILLS

Cloud & Infrastructure: Kubernetes, Istio/Service Mesh, Google Cloud, Azure, Terraform, Ansible
CI/CD & Automation: Git, ArgoCD, GitHub Actions, GitLab CI/CD, Bitbucket Pipelines, Helm, Kustomize
Monitoring & Security: Datadog, Hashicorp Vault, SonarQube, Snyk, Gatekeeper, Cybersecurity, Incident Response
Development & Scripting: Bash, Python

WORK EXPERIENCE

Senior DevOps Engineer — Jan 2025 – Present
OMERS — *Toronto, ON*
- Supported a GitHub repository migration by transitioning CI/CD pipelines to GitHub Actions, integrating automated code scanning for security and compliance, and enhancing development tooling to improve workflow efficiency and reliability.

DevOps Engineer — Jan 2023 – Jan 2025
OMERS — *Toronto, ON*
- Optimized Kubernetes upgrade process, achieving a 50% reduction in upgrade times, enhancing overall system reliability and deployment speed.
- Fully automated the Kubernetes upgrade process using rollout sequences, upgrade channels, and cloud-based monitoring functions, leading to more consistent and reliable deployments.
- Scaled Kubernetes cluster capacity to meet growing application demands, significantly improving system performance and resource utilization.
- Achieved up to 50% compute cost savings through the implementation of Cast AI, optimizing resource allocation and reducing operational expenses.
- Designed and provisioned production-ready Kubernetes clusters, ensuring high availability and optimal performance for mission-critical applications.
- Improved infrastructure security by automating vulnerability scans and redesigning traffic ingress into the Kubernetes cluster, leading to a stronger, more resilient system.
- Automated the certificate renewal process with CertManager, ensuring continuous security without manual intervention.
- Migrated the in-cluster Istio service mesh to a cloud-managed solution, enabling automated upgrades and reducing maintenance overhead.

DevOps Engineer — Jun 2022 – Dec 2022
Xhinola — *Remote*
- Led the migration of a payments application from Digital Ocean to Google Cloud, including containerizing the frontend, backend, and admin portal in Kubernetes.
- Strengthened cloud security by resolving critical vulnerabilities and implementing best practices.
- Integrated data analytics and visualization services into the infrastructure for better monitoring.

Network Operations Center Analyst — Mar 2020 – Dec 2021
Kaleyra — *Remote*
- Provided technical support to customers, troubleshooting and resolving system issues across enterprise networks.
- Prioritize remediation of issues in a 24 x 7 environment with critical uptime requirements.

EDUCATION

Postgraduate Certificate, Cybersecurity — Ontario, CA
Loyalist College School of Applied Sciences, Skills, and Technology — *2022 – 2023*
Bachelor's Degree, Telematics Engineering — Santo Domingo, DR
Pontificia Universidad Católica Madre y Maestra (PUCMM) — *2016 – 2019*

CERTIFICATIONS

CKA: Certified Kubernetes Administrator — 2022 – 2025
LFCS: Linux Foundation Certified Systems Administrator — 2021 – 2024