Adianny Ramírez

DevOps Lead │ Cloud Architect AWS │ MLOps Amazon Bedrock

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PROFESSIONAL SUMMARY

DevOps Lead and Cloud Architect with 11+ years of experience designing, automating, and managing enterprise-grade cloud infrastructure on AWS, Azure, and GCP. Specialized in Kubernetes orchestration (EKS/AKS), Infrastructure as Code with Terraform, and CI/CD pipeline engineering. Currently leading cloud infrastructure and AI/ML operations at Process Control, building MLOps pipelines with Amazon Bedrock and deploying AI agents on EKS. Proven track record in ISO 27001 compliance, security automation with Vanta, and managing multi-cluster Kubernetes environments serving 40+ enterprise clients.

EXPERIENCE

DevOps Lead · MLOps Engineer
Process Control

07/2024 – Present
Madrid

- Leading cloud infrastructure for 40+ enterprise clients across 4 EKS clusters, managing 100+ Kubernetes namespaces with Terraform and Helm
- Architecting and deploying AI agents on Amazon Bedrock (Sonnet/Haiku) integrated with Kubernetes monitoring, Odoo ERP, and Microsoft Teams
- Building MLOps pipelines: model deployment, RAG with Knowledge Bases, guardrails, and observability with Prometheus/Grafana
- Implementing GitOps workflows with ArgoCD, GitHub Actions, and Terraform Cloud across multiple environments
- Managing AWS Organization: IAM Identity Center, SSO with Microsoft Entra ID, WAF, KMS, and cost optimization
- Developing internal tools: IPAM dashboard, client inventory system, and infrastructure monitoring agents

DevOps Lead · DevSecOps Engineer
Seqera (formerly Tower/nf-core)

06/2022 – 06/2024
Barcelona (Remote)

- Led ISO 27001 certification and SOC 2 compliance implementation, automating security controls with Vanta across AWS infrastructure
- Architected multi-account AWS landing zone with Terraform, managing 15+ accounts with SSO and SCPs
- Deployed and operated ArgoCD-based GitOps for 20+ microservices on EKS, reducing deployment failures by 70%
- Built comprehensive monitoring stack: Prometheus, Grafana, ELK, Datadog, PagerDuty, achieving 99.95% SLA
- Implemented Infrastructure as Code with Terraform Enterprise, managing 200+ modules across environments
- Automated CI/CD pipelines with GitHub Actions and Jenkins, supporting Java, Python, and Go services
- Managed Kubernetes clusters (EKS) with Karpenter autoscaling, reducing compute costs by 35%

Senior DevOps Automation Engineer
Santander Global Tech

05/2020 – 05/2022
Madrid

- Architected and implemented AWS, Azure, and GCP Cloud solutions, ensuring optimal performance and cost-efficiency
- Implemented Terraform Enterprise over VMWare Cloud, providing robust infrastructure management
- Developed Lambda automations in Python and Go for infrastructure provisioning
- Created Terraform Modules for the organization, enabling consistent infrastructure across teams
- Managed Kubernetes platforms and Docker environments, deploying and scaling applications efficiently
- Automated deployments with Ansible and Bash, improving system reliability and reducing manual effort
- Monitored infrastructure using Prometheus, Grafana, and Dynatrace for rapid issue resolution

TITLE

DevOps Lead · MLOps Engineer · AWS Cloud Architect

EDUCATION

Lic. en Matemática (BSc Mathematics)
Universidad de La Habana
La Habana, Cuba · 2009

CERTIFICATIONS

AWS Solutions Architect Associate

AWS Advanced Networking Specialty

AWS Security Specialty

AWS SysOps Administrator Associate

AWS Developer Associate

MCSE Cloud Platform and Infrastructure Azure

Certified Kubernetes Cloud Native Associate

Certified Kubernetes Security Specialist

Certified Kubernetes Application Developer

Certified Kubernetes Administrator

HashiCorp Certified: Terraform Associate

HashiCorp Certified: Vault Associate

Docker Certified Associate

Cisco CCNA Routing & Switching

LANGUAGES

Spanish	Native	●●●●●
English	Professional (C1)	●●●●○
Italian	Advanced (B2)	●●●●○

EXPERIENCE

Senior DevOps Engineer
Payvision

06/2019 – 05/2020

Madrid

- Implemented and designed AWS infrastructure using Terraform for company products
- Secured and improved Kubernetes clusters for containerized payment services
- Administered Kubernetes platform and VMWare vSphere, ensuring seamless application deployment
- Automated deployment processes and managed CI/CD pipelines using GitHub Actions and Azure DevOps
- Containerized applications with Docker and Kubernetes, enhancing portability and scalability
- Collected and monitored logs with ELK and Grafana/Prometheus, providing real-time insights

Senior DevOps Automation Engineer
BNP Paribas Bank

09/2018 – 08/2019

Madrid

- Administered Windows and Red Hat Enterprise Linux servers, ensuring high availability
- Automated tasks using Ansible, Go, Bash, and PowerShell, streamlining operations
- Architected Docker Swarm and Kubernetes over VMWare, enabling efficient orchestration
- Managed virtualization infrastructure and developed PowerCLI-based scripts
- Supported high availability solutions and resolved L2/L3 incidents through Service Now

Senior DevOps Automation Engineer
Inditex

12/2017 – 11/2018

Madrid

- Administered Active Directory and Citrix infrastructure, managing user access and permissions
- Developed Python scripts for Cloud Adoption and dockerized applications for containers support
- Managed warehouse network infrastructure and industrial control systems
- Administered Linux application servers (Red Hat Enterprise), providing support for critical applications
- Automated infrastructure management with Ansible, enhancing system reliability

Technical Support Engineer
Microsoft

01/2016 – 12/2017

Madrid

- Provided technical support for Microsoft Windows Server environments, resolving complex issues
- Developed PowerShell scripts for automation and deployment, improving operational efficiency
- Supported high availability solutions and infrastructure, ensuring optimal performance
- Specialized in Windows Core, providing advanced troubleshooting for critical incidents

IT Systems Administrator
Free Lance IT · inforeparaciones.net

2013 – 01/2016

A Coruña

- End-user and SMB support across A Coruña region, managing domains, workstations and local networks
- PowerShell scripting, automation, and cloud services deployment (Office 365, Azure, Exchange Online)

PROJECTS

Siemens Energy – Cloud Migration
Lead Cloud Architect

- Led migration of on-premises SCADA systems to AWS, designing VPC architecture with Transit Gateway
- Implemented Kubernetes (EKS) for industrial IoT data processing pipelines

GoodRx – Infrastructure Optimization
Senior DevOps Consultant

- Optimized AWS infrastructure reducing monthly costs by 40% through right-sizing and Reserved Instances
- Implemented Terraform modules for multi-region disaster recovery architecture

SKILLS

CLOUD & INFRASTRUCTURE
AWS (EKS, Lambda, EC2, RDS, S3, CloudFront, WAF, KMS, IAM Identity Center) · Azure · GCP · Terraform Cloud/Enterprise · CloudFormation

CONTAINERS & ORCHESTRATION
Kubernetes · EKS · AKS · Docker · Helm · Karpenter · ArgoCD · Docker Swarm

CI/CD & AUTOMATION
GitHub Actions · Jenkins · Azure DevOps · Terraform Cloud · Ansible · Bash · PowerShell

AI/ML & MLOPS
Amazon Bedrock · Bedrock Agents · Knowledge Bases · RAG · Guardrails · Sonnet/Haiku/Opus

MONITORING & OBSERVABILITY
Prometheus · Grafana · Datadog · ELK Stack · Dynatrace · PagerDuty · CloudWatch

SECURITY & COMPLIANCE
ISO 27001 · SOC 2 · Vanta · HashiCorp Vault · AWS WAF · IAM · KMS · OIDC/SAML

PROGRAMMING
Python · Go · Bash · PowerShell · HCL · YAML · JavaScript

NETWORKING
VPC · Transit Gateway · CCNA · DNS (Route53) · Load Balancing · VPN · Citrix

PLATFORMS & TOOLS
Linux (RHEL, Ubuntu) · Windows Server · VMWare vSphere · Git · Jira · Confluence · ServiceNow