

## Carlos Marte

DevOps Engineer | CI/CD Pipelines |  
Azure, Docker, Kubernetes | Automation  
| 8+ yrs in TI | GitHub Actions, IaC,  
DevSecOps

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*Baní, Peravia, Dominican Republic*

DevOps Engineer with 3+ years of experience in CI/CD optimization, Docker, and Kubernetes, complemented by 8+ years in Systems Administration. I specialize in designing scalable cloud architectures (AWS/Azure) and highly automated CI/CD pipelines. Key achievements:

- 90% reduction in vulnerabilities with DevSecOps.
- 35% improvement in deployment efficiency using Kubernetes/Kustomize.
- 25%+ increase in code quality with SonarQube integration.

## Work Experience

### Tier 1 Engineer, DevOps Admin

Jan 2024 - Present

*Asociación Popular de Ahorros y Préstamos | Santo Domingo, Dominican Republic*

- Led the implementation of CI/CD pipelines in Azure DevOps for 300+ microservices, reducing build times by 35%.
- Managed Infrastructure as Code (IaC) using Kustomize and ArgoCD, ensuring consistency across dev and production environments.
- Integrated SonarQube into CI/CD pipelines for 300+ microservices, reducing technical debt by 25% and blocking low-quality builds (100% critical coverage).
- Optimized Docker images for security and performance, reducing container size by 30% and improving startup time by 20%.
- Implemented DevSecOps practices, integrating security tools like Trivy and FluidAttacks into CI/CD pipelines, enabling early detection and reducing production risks.
- Automated operational tasks with Python/PowerShell, saving 15+ hours/week in manual processes.
- Configured Grafana dashboards for log and metric monitoring, achieving full system visibility and reducing incident resolution time by 25%.

- Azure DevOps, Kubernetes, Kustomize, ArgoCD, Docker, OpenShift, PowerShell, Grafana.

### Junior DevOps Engineer

Nov 2022 - Dec 2023

*GBH | Santo Domingo, República Dominicana*

- Implemented GitHub Actions pipelines, reducing deployment times by 40%.
- Deployed containerized applications using Docker and orchestrated them with Kubernetes, ensuring high availability and scalability on AWS infrastructure.

- Configured IaC environments using Ansible and Shell scripts, reducing manual configuration errors by 50%.

- Git, CI/CD, GitHub Actions, AWS, Shell Scripting, Ansible, Docker, Kubernetes.

## **Systems Administrator**

Jun 2012 - Oct 2022

*NAP del Caribe | Santo Domingo, Dominican Republic*

- Configured and maintained IT systems, ensuring optimal performance and reliability with 99.9% uptime for critical environments.
- Managed critical infrastructure, including Windows/Linux servers, VoIP systems, Azure AD, and Office 365, ensuring operational continuity and SLA compliance.
- Provided technical support to 60+ internal and 35+ external users, resolving 95% of hardware, software, and network issues.
- Developed and implemented system hardening policies with Active Directory and GPOs, contributing to successful PCI DSS compliance with no critical findings.
- Automated repetitive tasks using PowerShell and Bash scripts, reducing operational time by 30%.
- Led key projects like Google Workspace to Office 365 migration and PCI DSS controls implementation, improving security and productivity by 40%.

- Active Directory, DNS, Networking, BIND DNS, DHCP, CentOS, VoIP, Office 365, Windows, Linux, Azure.

## **Projects**

### **DevSecOps Implementation in Azure DevOps CI/CD Pipelines**

Aug 2024 - Oct 2024

Duration: 2 months | Impact: High

#### Context:

- Proactive security needed for 300+ high-risk repositories (credential leaks, insecure images).

#### Solution:

- Integrated SAST/DAST (Fluid Attacks) and Trivy into CI/CD pipelines.
- Automated 100% exposed secrets scanning using GitLeaks pre-commit.
- Developed auto-block policies for critical build failures.

#### Results:

- 90% fewer production vulnerabilities.
- 0 credential leaks in 6 months (GitLeaks).
- 300+ monthly Docker image scans with Trivy, blocking insecure builds.

- Azure DevOps, GitLeaks, Fluid Attacks, Trivy.

### **DORA Metrics Analysis with Apache DevLake (DevOps Metrics)**

Jun 2024 - Aug 2024

Duration: 2 months | Impact: High

Context:

- Lack of visibility in DevOps efficiency (lead time, deployment frequency) for 10+ teams.

Solution:

- Deployed Apache DevLake, integrating it with Azure DevOps, Jira, and SonarQube.
- Built unified Grafana dashboards for key metrics (Deployment Frequency, MTTR, Change Failure Rate).

Results:

- 70% less time spent on manual metrics analysis.
  - 25% more weekly deployments after bottleneck optimization.
  - Real-time visibility for decision-making.
- Apache DevLake, Grafana, MySQL, Azure DevOps, Jira, SonarQube.

## Core Skills

**DevOps & CI/CD:** CI/CD, Continuous Delivery, DevSecOps, GitOps, Git, GitHub, Azure DevOps, Repos, ArgoCD, Kustomization, Kubernetes, Docker, IaC, Terraform.

**Cloud Infrastructure:** Microsoft Azure (Azure), Amazon Web Services (AWS).

**Automation & Scripting:** Python, PowerShell, Shell Scripting, Ansible.

**Monitoring & Observability:** Grafana, Prometheus, Loki, Graylog, Apache Devlake, SonarQube.

## Education

**Universidad Nacional Tecnológica UNNATEC**  
**Bachelor's degree in information systems and technology**

Jan 2008 - Feb 2019

## Languages

- Spanish: (Native)
- English: B2, (Upper-Intermediate)

## Certificates

**Introduction to Continuous Delivery and GitOps using Argo CD**  
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## Interests

AI, DevOps, DevSecOps, Python, IaC, Terraform, Kubernetes