

# BIANCA COLON-ROSADO

San Francisco, CA | [www.linkedin.com/in/biancacolon](https://www.linkedin.com/in/biancacolon) | [github.com/BnkColon](https://github.com/BnkColon)

## SENIOR DEVOPS ENGINEER | INFRASTRUCTURE & SECURITY

### AWS | Kubernetes | Security Operations

Senior DevOps & Infrastructure Engineer with 7+ years of experience architecting secure, reliable, and cost-efficient cloud platforms. Expert in AWS, Kubernetes/EKS, Terraform, CI/CD, and distributed system observability. Proven record driving major cloud migrations (including post-acquisition), hardening production systems for compliance (PCI, SOC2), and delivering automation initiatives that reduce toil, improve developer velocity, and cut cloud spend by six figures. Strong security and SRE foundation informed by a cybersecurity minor, pen testing experience, and years of production incident leadership. Known for calm, decisive execution in high-stakes environments and for mentoring engineers into senior roles.

#### SENIOR DEVOPS ENGINEER

TaskRabbit / Dolly (Acquisition) | San Francisco, CA

2018 – 2025

Promoted multiple times to lead high-priority infrastructure, security, and reliability programs across a global engineering organization.

#### Cloud Infrastructure, Migrations & Platform Engineering

- **Led the March 2024 post-acquisition AWS migration for Dolly**, consolidating infrastructure across accounts in **30 days with zero downtime**, reducing operational overhead and strengthening unified security controls.
- **Designed and deployed a new Disaster Recovery program**, reducing RTO/RPO from **16 hours → 1 hour**, ensuring business continuity for a multi-region production environment.
- Architected and operated multiple **EKS clusters**, improving autoscaling, rightsizing, and observability—reducing compute costs by **20%** while improving reliability.
- Migrated legacy containers and EC2 workloads into modern EKS pipelines, removing environment drift and improving deployment consistency.

#### Security, Compliance & Production Hardening

- **Achieved PCI compliance** by fixing **4 critical vulnerabilities**, implementing automated patching, completing vendor audits, and enforcing hardened security baselines.
- Deployed and tuned **AWS WAF**, reducing malicious traffic and automated attack attempts by **40%**, and strengthening OWASP Top 10 protections.
- Integrated **Okta → GitHub SSO**, removing **11 dormant accounts**, revoking risky tokens, and reducing lateral-movement exposure across engineering.
- Upgraded production fleet to **Ubuntu 22.04**, eliminating EOL vulnerabilities and saving **\$10K/year** in AWS support fees; accelerated patch cycles by **30%**.

#### Reliability Engineering, Observability & Incident Leadership

- Authored and delivered a pre-production **canary testing environment** after a \$200K production outage; reduced regression risk and delivered a 3-year project in **6 months**.
- Created **monitoring outage fallback runbooks** enabling teams to regain critical visibility within **30 minutes** during vendor outages (e.g., Datadog).
- Enhanced system reliability by engineering SLO-aligned alerting, noise reduction, and improved incident response workflows across engineering.

## Cost Optimization & Efficiency

- Implemented AWS **Spot Instance strategy**, reducing compute spend by **\$75K annually**.
- Built an **EC2 lifecycle stop/start automation**, saving an additional **\$50K annually** without impacting developer productivity.
- Conducted org-wide resource audits, decommissioning EOL databases, unused snapshots, and stale workloads to reduce operational risk and cost.

## Developer Experience & CI/CD

- Rebuilt CI/CD pipelines using GitHub Actions, increasing deployment consistency and reducing build times across product teams.
- Standardized container build processes, implemented IaC best practices, and improved DevOps onboarding through documentation and internal tooling.

## Leadership, Mentorship & Cross-Functional Influence

- Mentored **multiple engineers** from IC2 → Senior levels through 1:1 coaching, architecture guidance, and career planning.
- Guided interns and junior engineers toward full-time offers by leading structured onboarding and hands-on technical development.
- Partnered with Product, Security, Finance, and Compliance to drive company-wide initiatives with measurable reliability, cost, and security outcomes.

## PREVIOUS RELEVANT EXPERIENCE

IBM, *Software Test Specialist (Intern)*

University of Puerto Rico, *Computer Science Department Assistant*

TaskRabbit, *Software Engineer (Intern)*

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## RESEARCH

**Anomaly Detection in IPv4/IPv6 Network Flows;** Implemented Benford's Law statistical algorithm for detecting anomalies in network traffic patterns. Research supported by NSF ATACK-PR grant. [bit.ly/bianca-flows](http://bit.ly/bianca-flows)

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## COMMUNITY INVOLVEMENT

#include <girls>; Supporting women's academic, social, and professional development in Computer Science

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## EDUCATION

Bachelor of Science, Computer Science, Minor in Cybersecurity University of Puerto Rico | San Juan, PR

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## CERTIFICATIONS

AWS Solutions Architect – Associate (in progress)

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## CORE SKILLS

**Cloud:** AWS (EKS, EC2, ALB/NLB, WAF, IAM, VPC, RDS, S3, Route53), Azure

**Containers:** Kubernetes, EKS, Docker

**IaC:** Terraform, CloudFormation (legacy), Helm

**CI/CD:** GitHub Actions, Jenkins, ArgoCD

**Security:** WAF, IAM architecture, vulnerability mgmt, pentesting, SBOM, secrets mgmt

**Observability:** Datadog, CloudWatch, ELK, OpenTelemetry

**Scripting:** Python, Bash, Ruby, Go (Golang)

**Practices:** SLOs/SLIs, DR/BCP, incident response, cost optimization, reliability engineering