

Jose L. Caicedo

Cloud & DevSecOps Engineer | Network & Cloud Security | Automation & CI/CD

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Professional Summary

Cybersecurity and Automation Engineer with **12+ years** in IT and **5+ years** focused on **cloud security, DevSecOps, and automation**. Designs and implements **secure, scalable** systems using **Infrastructure as Code (IaC)**, CI/CD, and compliance-first practices (**PCI DSS**). Tooling across **AWS, GCP, Azure DevOps** with automation in **Python, Go, Node.js, Bash**. Implemented observability & compliance monitoring (CloudWatch, X-Ray, Cloudflare, Azure Security) and strengthened posture via IAM and vulnerability management. **Bilingual (Spanish/English)**.

Core Skills

Cloud: AWS, GCP | **DevOps/CI/CD:** Azure DevOps, GitLab | **Security:** PCI DSS, IAM, WAF, Encryption, Vulnerability Mgmt

IaC: Terraform, CloudFormation | **Languages:** Python, Go, Node.js, Bash | **Networking:** VPC Design, VPN, Load Balancing

Observability: CloudWatch, Cloudflare, Azure Security | **Other:** Linux, VMware, Cloud Migration

Experience

Senior Software / DevOps Engineer

Jan 2022 – Aug 2024

Payvalida (Payments Gateway) – Medellín, Colombia (Remote)

At Payvalida, I led the design, automation, and security of **AWS** infrastructure fully managed as **Infrastructure as Code (IaC)**, ensuring scalability, reproducibility, and **PCI DSS** compliance for a multi-region payments platform. I built and maintained **Azure DevOps** pipelines integrated with IaC, automating security and compliance policies including dependency scanning, secret validation, and configuration audits — reducing **critical CI/CD vulnerabilities by 90%** and improving deployment time by **70%**.

I developed automation in **Python** and **Bash** for compliance enforcement, certificate renewals, and exception handling, establishing standardized security baselines across environments. I defined infrastructure end-to-end — from network topology and segmentation to provisioning using **CloudFormation** and **Terraform** — eliminating configuration drift and increasing reliability by **60%**. By enhancing observability through **CloudWatch, X-Ray**, and custom metrics, I reduced incident response time by **65%** through proactive monitoring and alerting.

Founder / DevOps & Backend Engineer (Side Project)

Oct 2020 – Present

My Appointment – SaaS for Booking & Operations

I founded and developed *My Appointment*, a **cloud-native SaaS platform** for independent professionals such as barbers, groomers, and nail technicians to manage bookings and operations efficiently. The backend was architected on **Google Cloud Platform (GCP)** using **Infrastructure as Code (Terraform)** and automated CI/CD with **Cloud Build, Firestore**, and **Cloud Run**, achieving **99.9% uptime** and improving backend response time by **45%**.

I built **microservices** in **Python (FastAPI)** and **Node.js**, integrating automation and monitoring through **Cloud Monitoring** and **Bash**, which improved operational efficiency by **30%**. In 2024, I integrated **AI-driven features** including smart scheduling, predictive availability, and automated client messaging, while introducing a **multi-tenant architecture** for scalability, maintainability, and cost optimization.

IT Infrastructure & Systems Administrator

Nov 2016 – Dec 2021

Actualizamos Consultores – Cali, Colombia

After my experience at Nexsys, I joined Actualizamos Consultores — a leading accounting and consulting firm serving more than **250 client companies** — to manage and strengthen its centralized IT infrastructure. I was

responsible for the **administration of servers, user accounts, and network systems**, as well as providing technical support across all departments to ensure business continuity.

I maintained and optimized the firm's **on-premise accounting systems**, managing firewalls, VPNs, printers, and workstation configurations, and ensuring reliable connectivity and data access. During the COVID-19 pandemic, I independently led the migration of the company's main accounting server to **cloud infrastructure (AWS)**, enabling secure remote access for employees and uninterrupted service delivery to clients.

This transition improved operational resilience, enhanced data availability and backup reliability, and reduced the dependency on physical infrastructure. I also developed small automation scripts in **Python** and **Bash** for monitoring and maintenance tasks, reducing manual interventions and downtime.

IT Infrastructure & Systems Engineer

Jun 2010 – Oct 2016

Nexsys de Colombia – Cali, Colombia

At Nexsys, I was responsible for implementing, configuring, and maintaining on-premise infrastructure for clinical and corporate environments. The role involved installing and managing **physical and virtual servers**, configuring **firewalls, routers, and switches**, and ensuring secure and stable network operations across multiple sites.

I administered **Windows Server environments** including **Active Directory, Group Policy, DNS, and DHCP**, as well as **Linux-based servers** providing shared and authentication services using **Samba, Apache, and SSH**. These systems supported centralized user management and resource sharing across mixed operating environments.

I also designed and deployed local and wide area networks (LAN/WAN), configured **VPN connections**, and implemented backup and recovery policies to guarantee operational continuity. These implementations improved infrastructure stability and reduced network incidents by approximately **40%**, ensuring reliable service for mission-critical clinical systems.

Education

Miami Dade College

Aug 2023 – Jul 2027

B.S. in **Cybersecurity (Cybersecurity / Cyber Defense)**

Universidad de San Buenaventura

Feb 2003 – Nov 2008

Bachelor's in **Economics (International Economics)**

Professional Development

Cybersecurity, Networks & Cloud Security

Jan 2023 – Present

Self-directed and formal training toward a **Network & Security Engineer** path specializing in **Cloud Infrastructure, DevSecOps, and Automation**.

Certifications (in progress): CompTIA Network+, Security+, Linux+.

Focus: Cyber Defense, Cloud Security, Network Design, Incident Response, Risk Assessment, Linux Administration, Infrastructure Hardening.

Certifications & Skills

Certifications: Cisco CCNA (Routing & Switching) | CompTIA Network+* | Security+* | Linux+* | Machine Learning | Secure Software Development

Technical Skills: Windows Server, Linux (Ubuntu/CentOS), Active Directory, Samba, Firewalls, VPN, LAN/WAN, VMware, Terraform, CloudFormation, Azure DevOps, GitLab, AWS, GCP, Python, Bash, Cloud Monitoring, PCI DSS Compliance

Languages: Spanish (Native) | English (Professional Working)

** In progress — currently pursuing CompTIA Network+, Security+, and Linux+ certifications as part of ongoing professional development in cybersecurity and network engineering.*