Wilbert Castillo Nolasco

Infrastructure Engineer | DevOps

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PROFESSIONAL SUMMARY

DevOps & Infrastructure Engineer with 2+ years of experience bridging software development and operations. Specialized in architecting cost-efficient, self-hosted production systems using Linux, Docker, and RabbitMQ. Proven track record of optimizing high-throughput systems, notably reducing production latency from ~700ms to <50ms. Expert in hybrid environments (Windows/Linux) and seeking to leverage deep technical skills in Reliability, Scalability, and Automation.

CORE SKILLS

DevOps & Infrastructure: Docker · Linux · GitHub Actions · RabbitMQ · MinIO (S3) · Caddy · MediaMTX · VMware vSphere · Windows Server

Cloud & Platform: AWS (CloudFront, S3, EC2, VPC) · Azure Fundamentals · GCP

Backend & Automation: C#/.NET APIs · Python/FastAPI · Event-Driven Architecture · Go (Golang) · Asterisk Manager Interface (AMI) · SQL Server Optimization

Observability: Sentry · Grafana

Soft Skills: Problem Solving & Root Cause Analysis · Cross-Functional Collaboration · Strategic Cost Optimization · Technical Documentation · Adaptability

EXPERIENCE

Memorial Amor Eterno, Honduras- *Infrastructure Engineer*
April 2024 – Present

- **Platform Architecture**: Architected a cost-efficient, self-hosted infrastructure (MinIO, Docker, GitHub Runners) to deliver cloud-native capabilities without recurring cloud vendor costs.
- **Distributed Systems**: Engineered the "Digital Receipts" system, decoupling legacy ERPs from external providers using RabbitMQ. Implemented resilience patterns including exponential backoff, and idempotent processing.
- **Performance Engineering**: Developed high-performance C# APIs (<25ms latency) and reduced P99 latency by 90% through SQL Server query monitoring and index optimization.
- **Security & Networking**: Implemented Caddy reverse proxy with automated TLS, secure routing, and environment isolation.

- **Telephony Integration**: Engineered a Go background service via AMI (Asterisk Manager Interface), for monitoring PBX.
- **Streaming:** Deployed MediaMTX for high-availability live streaming infrastructure
- **Monitoring:** Introduced Sentry for full-stack error tracking.

Grupo Platino, Honduras

- Data Analyst Developer

October 2023 – April 2024

- **API Stability**: Debugged and refactored critical C# APIs, resulting in a significant reduction in production error rates and improved data accuracy.
- **Requirements Engineering**: Collaborated with stakeholders to define technical specifications for internal ticketing and approval workflows.

- Developer Intern

July 2023 – October 2023

- **Containerization**: Developed and Dockerized a Django API for construction cost-control reporting.
- **Digitization**: Prototyped internal workflow solutions using AppSheet to replace legacy manual processes.

EDUCATION

Universidad Nacional Autónoma de Honduras (UNAH) *- Licenciatura in Administrative Informatics*

JUNE 2021 - SEPT 2025 (Expected Graduation 2026)

Focus: Computer Science, Finance, and IT Management.

CERTIFICATIONS

EF SET English Certificate (C2 Proficient) – EF Standard English Test | 2023

Functions, Methods, and Interfaces in Go – University of California, Irvine | 2025

DevOps on AWS: Code, Build, and Test - AWS | 2022

Infrastructure as Code (Terraform) – Google Cloud | 2023

LANGUAGES

Spanish: Native

English: Advanced (C1)