Andrés Muñoz

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Principal DevOps Architect

DevOps Architect and Solutions Architect with 10+ years of experience designing and leading large-scale cloud-native, DevOps, and enterprise transformation initiatives. Proven track record driving modernization, CI/CD automation, observability, and cloud cost optimization across highly regulated industries. Skilled in influencing C-Level stakeholders, mentoring cross-functional teams, and delivering secure, scalable, and resilient cloud platforms.

Core Competencies

- **Enterprise & Cloud Architecture**: AWS, Azure, GCP, Hybrid models, Cloud Center of Excellence leadership

- **DevOps & Platform Engineering**: Kubernetes, EKS, AKS, ArgoCD, Istio, Terraform, GitHub Actions, GitLab CI, Azure DevOps

- **CI/CD & Delivery Excellence**: End-to-end automation, release orchestration, GitOps, SRE practices

- **Observability & Resilience**: Datadog, Prometheus, Grafana, Elasticsearch, distributed tracing

- **Security & Compliance**: Zero Trust, IAM hardening, CloudFront security, FinTech & Healthcare regulatory alignment

- **Leadership & Strategy**: Technology roadmaps, stakeholder management, team mentorship, organizational DevOps adoption

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Professional Experience

Senior DevOps Engineer

Housecall Pro – San Diego, CA (Remote) | 2021 – 2025

- Led **enterprise DevOps transformation** for a high-growth SaaS platform with millions of users.

- Architected **multi-cloud solutions** across AWS and Azure, including scalable Kubernetes clusters, global RDS replication, and cross-region DR strategies.

- Drove **observability at scale** with Datadog, Prometheus, and custom dashboards, reducing MTTR by 40%.

- Designed and implemented **Terraform-driven infrastructure as code** across multiple subscriptions with automated pipelines.

- Partnered with C-Level leadership to shape **DevOps strategy and cost optimization initiatives**, reducing annual spend by 20%.

- Mentored and coached DevOps and engineering teams, establishing best practices for CI/CD, GitOps, and developer enablement.

Key Achievements:

✔ Designed and deployed a **secure, compliant, cloud-native environment** for financial services integrations.

✔ Led **network security automation** (NSG lockdown/unlock stages) to improve compliance and agility.

✔ Championed **log integration from Mulesoft to Azure Monitor**, centralizing observability across ecosystems.

DevOps Architect & Cloud Consultant

Independent / Multiple Clients (U.S. & LatAm) | 2015 – 2021

- Delivered **DevOps architecture and consulting engagements** for enterprises in fintech, e-commerce, and healthcare.

- Designed **CI/CD pipelines and cloud-native architectures** leveraging GitHub Actions, GitLab, ArgoCD, and Jenkins.

- Implemented **secure cloud networking and IAM** models across AWS and Azure, including multi-account landing zones.

- Led **Kubernetes migrations** and adoption of Fargate/EKS for cost optimization and operational simplicity.

- Acted as **trusted advisor** to CTOs and VPs of Engineering, aligning technology roadmaps with business goals.

Software Engineer → Solutions Architect

Early Career Roles | 2010 – 2015

- Hands-on background in **application development**, CI/CD enablement, and transition into platform engineering.

- Built foundations in distributed systems, automation, and developer productivity tooling.

Education & Certifications

🎓 Master in Computer Engineering – [Universidad de Leiria - Portugal]

🎓 B.S. in Computer Engineering – [ESPE - Ecuador]

☁ AWS Certified Solutions Architect – Professional

☁ Microsoft Azure Solutions Architect Expert

☸ Certified Kubernetes Administrator (CKA)

Leadership & Community

- Mentor and coach for DevOps engineers and software developers transitioning into cloud-native practices.

- Speaker at internal architecture guilds and community meetups on **Kubernetes, IaC, and observability best practices**.

- Contributor to **open-source DevOps accelerators** and internal IP frameworks for cloud adoption.