

Marcelino Jackson

Senior DevSecOps Architect & GenAI/LLMOps Engineer

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Professional Summary

Principal DevSecOps and AI Architect with 20+ years of experience designing and delivering secure, scalable platforms across highly regulated environments including Nuclear, Government, Healthcare, Insurance, and Fintech. Trusted to lead Zero-to-One transformations that bridge executive strategy and hands-on engineering.

Specializes in Sovereign and Hybrid AI architectures, air-gapped and RBAC-governed LLM platforms, and policy-driven automation. Deep hands-on expertise in Terraform, Kubernetes, Snowflake, dbt, and modern CI/CD platforms, with a consistent record of increasing delivery velocity, strengthening governance, and reducing operational risk.

Work Status

US CITIZEN with previously held Secret 'Q' Dept-of-Energy (DOE) Clearance

Core Focus

DevSecOps & Platform Architecture • GenAI / LLMops / MLOps • CI/CD 2.0 & GitOps • IAC & CAC Automation • Cloud, Hybrid & Air-Gapped Environments • Regulated Engineering & Compliance • Observability & AIOps

Selected Impact

- Led and Built CI/CD modernization across Azure DevOps, GitHub Enterprise, Snowflake, and dbt, increasing deployment frequency up to 24% and reducing lead time up to 18%.
- Architected enterprise Generative AI platforms using Snowflake Cortex (Agents, Analyst, Search, AISQL), enabling secure natural-language access to regulated data with strict RBAC enforcement.
- Built containerized, self-healing CI/CD infrastructure on Kubernetes/OpenShift, eliminating build bottlenecks and reducing agent failures by up to 90%.
- Delivered AI-augmented governance workflows using LLMs for code quality enforcement, data validation, anomaly detection, and automated insight generation.
- Defined DevSecOps maturity roadmaps and target operating models for government and critical-infrastructure organizations.
- Automated Snowflake security policies (RLS/CLM) via Terraform-driven CI/CD, cutting provisioning time by 45% and configuration drift by 38%.

Experience Snapshot

Blue.Cloud • Mass General Bingham • Idaho National Laboratory • WMATA • Upland Capital Group

Technical Domains

- Cloud & Platforms (Azure, AWS, GovCloud, GCP) • CI/CD & GitOps • Terraform, Kubernetes, OpenShift
- AI / LLMops (Snowflake Cortex, RAG, Vector Search) • DataOps (Snowflake, dbt, Fivetran, Airflow, n8n)
- Zero Trust, IAM, Vault/GitGuardian, Compliance Automation • Observability & AIOps

Personal Principles

Practice-Kindness, Trust-by-Default, Own-the-Outcome, Growth-Mindset, Mutual-Respect, Customer-Results-Focused, Over-Communicate, Always-Learning, Today-Matters, Be-Open-Minded, and Enjoy-What-You-Do.