Marcelin Lauture

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Staff platform engineer with 10 years building cloud infrastructure at scale, currently leading the ML platform behind recommendations across Saks and Neiman Marcus and the company's framework for production AI agents.

SKILLS

Cloud & Platform: AWS, Kubernetes (EKS), Terraform, Helm, ArgoCD, Karpenter, Istio, Cilium
ML & AI: AWS Bedrock, LLM agents, MCP, RAG, LLM evaluation, Kafka, vector search, event-driven autoscaling
Delivery & Observability: GitHub Actions, CircleCI, GitOps, Datadog, OpenTelemetry, Prometheus, Grafana
Languages: Python, Go, Bash, TypeScript

PROFESSIONAL EXPERIENCE

SAKS GLOBAL — Atlanta, GA
Staff Platform Engineer, Cloud Platform — May 2022 - Present

- Owned the stability of personalized recommendations across Saks and Neiman Marcus, closing reliability gaps and readying the ML platform for critical retail events at 1,200+ RPS, <500ms, zero downtime.
- Cut ML infrastructure costs by $480K a year by moving product embeddings to an event-driven architecture that scales with catalog, inventory and content updates and shuts off when idle.
- Built the golden path for deploying AI agents, with security, reliability and cost controls built in, so any team can ship an agent the same way it ships a microservice.
- Reduced platform toil with AI agents that handle code and dependency maintenance, first-line support and incident triage, validating their own changes before an engineer approves, keeping predictable steps in code and cutting model usage by 70%.
- Leading the design and adoption of the Saks Global Kubernetes platform on EKS, establishing standardized cluster patterns and operational guardrails to enable teams to ship services securely and reliably.
- Defined developer golden paths and self-service workflows and directed CI/CD modernization across teams, reducing platform toil and accelerating delivery.

WARNER BROS. DISCOVERY — Atlanta, GA
Senior Cloud DevOps Engineer — April 2021 - May 2022

- Shifted cost optimization practices left by implementing prediction tools like Kubecost and Infracost
- Established cloud cost governance standards by implementing OPA policies and Cloud Custodian

SAGE SOFTWARE — Atlanta, GA
Senior DevOps Engineer — January 2020 - April 2021

- Designed and implemented end-to-end release cycle pipelines for multiple highly available products
- Architected and automated cloud environment builds to enable cloud offerings for on-premise products

AARON'S INC — Atlanta, GA
Infrastructure Engineer, Platform — July 2016 - December 2019

- Automated machine image creation and management using Packer and CI/CD pipelines
- Implemented CI/CD pipeline for the enterprise data analytics training models, improving deployment efficiency

EDUCATION

KENNESAW STATE UNIVERSITY — Kennesaw, GA
Bachelor of Business Administration in Information Systems