

Summary

Platform engineer and **solutions architect** with full stack development capabilities.

Experienced in **SRE practices**, **DevSecOps**, **IaC**, **GitOps**, and **cloud-native architecture at scale**.

Focused on **developer experience**, **automation**, and **operational excellence**.

Leverages **AI-assisted development** for rapid prototyping and automation.

Versatile **technical leader** skilled in cross-functional collaboration and mentoring.

Skills

- **Cloud & Infrastructure:** AWS (primary), Azure, Terraform, Terragrunt, Ansible, CloudFormation
- **Containers & Orchestration:** Kubernetes, EKS, Fargate, ECS, Helm, Kustomize, Docker, Istio, External Secrets Operator
- **Networking:** VPC architecture, Transit Gateway, Route 53, Site-to-Site VPN, load balancers, firewalls
- **Identity & Security:** AWS Identity Center, IAM, Okta, Cognito, Security Hub
- **CI/CD & Pipelines:** GitHub Actions, GitLab CI, Jenkins, ArgoCD, Flux
- **Monitoring:** Datadog, Prometheus, Grafana, Arize Phoenix, Kibana, Athena, CloudWatch
- **AI & Agentic Development:** Claude Code, Cursor, Copilot, Gemini CLI, LangGraph, Replit
- **Databases:** PostgreSQL, RDS, DynamoDB, MongoDB, OpenSearch
- **Languages:** Python, JavaScript/TypeScript, Go, Bash, Java
- **Frameworks:** Next.js, React, Vue, Node.js, Vite, Astro, Hugo

Certifications

Artificial Intelligence Engineer Expert - Booz Allen Hamilton
AWS Certified Advanced Networking - Specialty
AWS Certified Solutions Architect - Professional (inactive)
AWS Certified DevOps Engineer - Professional (inactive)
Certified Kubernetes Administrator (inactive)
Certified Kubernetes Security Specialist (inactive)
CompTIA Security+

Education

Thinkful

Fullstack Web Development Bootcamp

Georgetown University

MS Physiology and Biophysics

New York Institute of Technology

BA Interdisciplinary Studies

Professional Experience

Booz Allen Hamilton

2021 – Present

Senior Lead Technologist

Cloud infrastructure engineering lead for a public sector client, architecting and implementing solutions across networking, identity, monitoring, and platform services for 100+ AWS accounts.

Networking & Architecture: Designed multi-tenant AWS network architecture across an AWS Organization. Implemented VPC connectivity, TGW, Route 53 Resolver endpoints for centralized DNS, and decentralized per-VPC ingress/egress through managed firewalls.

Identity & Access Management: Led migration from legacy LDAP to AWS Identity Center, simplifying SSO integration. Implemented permission sets and customer managed policies to manage cross-account IAM roles at scale.

Monitoring & Observability: Architected centralized logging and monitoring to meet federal compliance mandates. Implemented SLA/SLO monitoring with Datadog synthetic checks, supporting 99.99% availability targets for network and authentication services.

Infrastructure as Code: Established multi-account Terragrunt repository managing platform infrastructure across 100+ accounts. Developed reusable modules for AWS services, Datadog, and Databricks.

CI/CD & Pipelines: Built GitHub Actions with self-hosted runners on EKS, creating workflows running 100+ times daily across the program. Experience with Jenkins and GitLab CI runners.

Container Platform: Led operations for multi-tenant EKS platform with on-call responsibilities. Migrated from self-managed to managed node groups, reducing operational overhead and update failures. Built validation tooling to catch errors after cluster updates and node rolling.

Carfax

2017 – 2021

Product Developer

Frontend and mid-stack developer on Used Car Listings (UCL). Introduced unit and integration testing, addressed bugs, and implemented new features.

Containerized UCL and migrated it to AWS. Designed Kubernetes environment with multi-region failover, GitOps-based CI/CD, and integrated monitoring. This became the company-wide standardized cloud platform.

Personal Projects

ChromaCal: Calendar application for visual time-blocking. Built with Next.js on Vercel and Neon.

BagaCam: Pet monitoring app streaming video from Raspberry Pi via Kinesis Video Streams. Built with Vite, CloudFront, and Cognito.