

## 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

*Senior Lead Technologist*

2021 – Present

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.