

## Summary

Technical lead, cloud engineer and fullstack developer, with a background in **DevSecOps**, **IaC**, **GitOps**, and **Cloud-Native architecture**. Experienced working across languages and stacks, with an aptitude for quickly adopting new patterns and technologies. Versatile team leader adept at managing competing priorities, mentoring junior developers, and promoting best practices and consistent standards.

## Skillset

- Experience operating **cloud deployments at scale**, overseeing systems serving tens of millions of daily requests.
- Highly proficient in **AWS**, **Kubernetes**, **Helm**, **Docker / Containers**, **Terraform** and **Terragrunt**.
- Competent developing pipelines for **Github**, **Gitlab** and **Jenkins**.
- Familiar with various K8s/CNCF ecosystem projects such as: **Istio**, **Argo**, **Rancher**, **Prometheus**, **Grafana** and **Big Bang**
- Production experience running workloads in **EKS** across multiple availability zones and failover regions.
- Knowledgeable in **Python**, **Go**, **Groovy**, **Bash**, **Node.js**, **HTML/CSS/Javascript**, **Typescript**, **React** and **NextJS**.
- Comfortable leveraging **Generative AI** to enhance development speed and efficiency.

## Certifications

AWS Certified Solutions Architect – Professional (inactive)  
AWS Certified Advanced Networking - Specialty  
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

Currently overseeing a cloud infrastructure engineering team for a public sector client. Team responsibilities include configuring and managing AWS accounts and networking infrastructure, as well as operating self-hosted solutions for monitoring and identity and access management.

Architected a flexible, modernized, multi-tenant AWS network spanning accounts within an AWS Organization. Integrated AWS best practices and cloud-native tooling to enable increased bandwidth, reliability and IPv6 support while reducing operational overhead and meeting stringent security requirements. Implemented this design through declarative IaC. Closely coordinated with stakeholders across the agency to migrate legacy networks into the new architecture.

Designed and built a declarative cloud infrastructure management pipeline leveraging IaC, GitOps, and containerized pipeline runners. Enhanced this with a workflow orchestration service powered by Temporal, fully integrated with Jira. Matured workflow automation to shorten a request from several days to within hours.

Led a small engineering team operating and maintaining a multi-tenant container platform built on top of EKS Kubernetes clusters. Team duties included onboarding and supporting tenants, alongside conducting all operations and maintenance activities necessary to keep clusters, nodes and deployed services up to date. Developed automation to streamline these processes.

### Carfax

2017 – 2021

#### Product Developer

Began as a frontend and mid-stack developer, focusing on a flagship web application. Introduced unit and integration tests, addressed bugs and implemented new features.

Joined a small team tasked with containerizing the flagship application and migrating it to AWS. Designed and constructed a Kubernetes environment featuring multi-region failover, a GitOps-based CI/CD pipeline, and integrated monitoring and alerting systems. This became a company-wide standardized cloud platform.