

## Summary

Fullstack developer and cloud engineer 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. Currently studying Large Language Model (LLM) implementation and how to leverage AI in application workflows.

## 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 regions.
- Knowledgeable in **Python**, **Go**, **Groovy**, **Bash**, **Node.js**, **HTML/CSS/Javascript**, **Typescript**, **React** and **NextJS**.
- Learning **LangChain**, **PyTorch**, **Retrieval Augmented Generation (RAG)** and LLM model development.

## Certifications

AWS Certified Solutions Architect – Professional  
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 – 2017

### Georgetown University

MS Physiology and Biophysics - 2011

### New York Institute of Technology

BA Interdisciplinary Studies – 2009

## Professional Experience

### Booz Allen Hamilton

2021 – Present

Senior Lead Technologist

Currently focused on supporting adoption of a modernized cloud network for a public sector client. Architected and built this network integrating AWS best practices and cloud-native tooling to enable increased bandwidth, reliability and IPv6 support while reducing operational overhead.

Recently led a small team that designed and built a declarative cloud infrastructure management pipeline leveraging IaC, GitOps, and containerized pipeline runners. This was paired with a workflow orchestration service underpinned by Temporal and integrated with Jira. Workflow automation matured to the point where a request that formerly took several days to fulfill is now completed within hours.

A prior role for the same client focused on leading a small engineering team operating and maintaining a multi-tenant container platform built on top of EKS Kubernetes clusters. This team onboarded new tenants, supported existing tenants, and conducted all operations and maintenance activities necessary to keep clusters, nodes and deployed services up to date. We also developed automation to facilitate these processes wherever possible.

### Carfax

2017 – 2021

Product Developer

Started as a frontend and mid-stack web developer focused on supporting Carfax's flagship Used Car Listings (UCL) web application built in React and NodeJS. Introduced unit and integration tests, fixed bugs and added features to this app.

Expanded into a small team tasked with containerizing UCL and migrating it to AWS. Designed and built a Kubernetes environment in AWS, complete with multi-region failover, GitOps based CI/CD, and baked-in monitoring and alerting. This became a standardized cloud platform in use throughout the company.