

Jamal Washington

Austin, Texas, USA

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Education

Georgia Institute of Technology

Master of Science in Computer Science (Specialization in DevOps and Cloud Computing)

Aug 2020 – May 2022 | Atlanta, GA, USA

GPA: 3.95/4.0

Activities: Cloud Computing Research Assistant, Diversity in Tech Advocate, Open Source Contributor

Relevant Coursework: Cloud Architecture, Infrastructure as Code, Distributed Systems, Site Reliability Engineering, Container Orchestration, High Availability Systems, CI/CD Pipeline Design, Infrastructure Security

North Carolina A&T State University

Bachelor of Science in Computer Engineering

Aug 2016 – May 2020 | Greensboro, NC, USA

GPA: 3.8/4.0

Work Experience

DevOps Engineer | IBM | Jun 2022 - Present | Austin, TX, USA

- Architected and implemented multi-cloud infrastructure using Terraform and Ansible, managing 500+ instances across AWS, Azure, and GCP.
- Designed and maintained Kubernetes clusters with high-availability configurations, achieving 99.99% uptime.
- Implemented GitOps workflows with ArgoCD and FluxCD, reducing deployment time by 75%.

Cloud Infrastructure Intern | Google | May 2021 - Aug 2021 | Mountain View, CA, USA

- Assisted in migrating monolithic applications to microservices architecture using Google Kubernetes Engine.
- Developed monitoring dashboards with Prometheus and Grafana for tracking application performance.
- Automated infrastructure testing using Goss and Terratest, increasing test coverage

by 50%.

Skills

Cloud: AWS, GCP, Azure, Multi-cloud Strategy, IaC

Container Orchestration: Kubernetes, Docker Swarm, ECS, AKS, GKE

Infrastructure as Code: Terraform, Pulumi, CloudFormation, ARM Templates

Configuration Management: Ansible, Chef, Puppet, Salt

CI/CD: Jenkins, GitHub Actions, GitLab CI, CircleCI, ArgoCD, FluxCD

Monitoring: Prometheus, Grafana, Datadog, ELK Stack, Jaeger, New Relic

Other: GitOps, SRE Practices, Zero-Downtime Deployments, Chaos Engineering, Security Automation

Certificates

Kubernetes: CKA (Certified Kubernetes Administrator)

HashiCorp: Terraform Certified Associate

AWS: DevOps Professional

Google Cloud: Professional DevOps Engineer

Awards

Innovation Award - IBM Technical Excellence Conference 2023

Top Contributor - Kubernetes Open Source Project 2022

National Society of Black Engineers Scholarship Recipient