

# MICHAEL A. ROBERTS

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## PROFESSIONAL SUMMARY

Senior Cloud Engineer with 5+ years of experience designing, deploying, and maintaining large-scale cloud infrastructure across AWS and GCP. Expert in cloud security, automation, infrastructure as code (Terraform), container orchestration (Kubernetes, Docker, Helm), and observability solutions (Prometheus, Grafana, Datadog).

## TECHNICAL SKILLS

**Cloud Platforms:** Google Cloud Platform (GCE, GKE, CloudFunctions, Cloud Storage), AWS (EC2, S3, Lambda, RDS, ECS/EKS, VPC, IAM, CloudWatch, CloudTrail), Multi-cloud environments

**Infrastructure as Code (Iac):** Terraform, Packer, Ansible

**Container & Orchestration:** Docker, Kubernetes, Helm, Traefik, ECS/EKS

**CI/CD & DevOps:** Jenkins, GitLab, GitHub Actions, Git

**Monitoring & Observability:** Prometheus, Grafana, Datadog, CloudWatch, OpenTelemetry, PagerDuty

**Cloud Networking:** VPC, VPN, Firewall, load balancers, Network Routing, Nginx

**Cloud Security:** IAM, CloudTrail, Key Management Service (KMS)

**Programming Languages:** Python, Bash, JavaScript, Java, C, Rust, Go, SQL

**Databases:** MySQL, RDS, CloudSQL Spanner

**Additional Tools:** Node.js, Visual Studio, Unity, Linux administration

## CERTIFICATIONS

**AWS Certified Solutions Architect - Associate**

## PROFESSIONAL EXPERIENCE

**Cargill, Incorporated** | Atlanta, GA

Senior Cloud Engineer | November 2024 - Present

- Designed, deployed, and maintained scalable AWS cloud infrastructure supporting multi-account, multi-region environments with comprehensive use of IAM policies, VPC configurations, ECS/EKS clusters, Lambda functions, and networking best practices
- Reduced manual configuration efforts by 90% through automated infrastructure provisioning using Terraform modules and workspaces, significantly improving environment consistency and reducing configuration drift
- Achieved sub-2-minute incident response time platform-wide by implementing comprehensive observability solutions using CloudWatch, OpenTelemetry, Prometheus/Grafana, Datadog, and centralized logging infrastructure
- Established and maintained cloud governance model including configuration management, IAM policy enforcement, cost optimization strategies, and security best practices across multi-cloud environments
- Collaborated with cross-functional teams to implement cloud-based initiatives, providing training and documentation to accelerate cloud adoption and ensure operational excellence

**Amazon Web Services Inc.** | San Francisco, CA

Solution Architect | July 2022 - April 2023

- Collaborated with key stakeholders to define and implement technical requirements for cloud-based solutions using AWS services including EC2, S3, Lambda, RDS, and CloudWatch
- Developed scalable applications using Python, JavaScript, C++, and SQL, implementing cloud-native architecture patterns and serverless technologies

- Improved application performance through database query optimization, caching mechanisms implementation, and CDN integration for accelerated content delivery
- Achieved 100% SLA integrity by implementing robust programming practices, participating in on-call rotations for incident response, and maintaining comprehensive project documentation

**Amazon Web Services Inc.** | Seattle, WA

Software Development Engineer Intern | May 2021 - August 2021

- Designed and implemented software solutions leveraging cloud computing and serverless architecture using AWS Lambda, API Gateway, and DynamoDB
- Collaborated with cross-functional teams in an Agile/SCRUM environment to deliver cloud-native solutions
- Produced scalable chatbot assistant as capstone project with comprehensive documentation enabling future development and maintenance

## EDUCATION

**Emory University** | Atlanta, GA

Bachelor of Science in Computer Science | Graduated May 2022

## PROFESSIONAL ACTIVITIES

- National Society of Black Engineers: Active member organizing interest meetings and mentoring high school and college students in technology careers
- Render ATL (2024 & 2025): Volunteer host for technology professional panels discussing emerging topics in cloud computing and software engineering