Marcus Thompson

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PROFESSIONAL SUMMARY

Senior Cloud Engineer with over 8 years of experience specializing in AWS multi-account architectures and Kubernetes orchestration. Proven track record of reducing infrastructure costs by 35% through automated rightsizing and migrating 50+ legacy workloads to serverless environments. Expert in Terraform and CI/CD pipeline optimization for high-growth SaaS platforms.

WORK EXPERIENCE

Lead Cloud Infrastructure Engineer | CloudStream Solutions | Austin, TX
Jun 2019 - Present

- Spearheaded the transition from monolithic architecture to AWS EKS microservices for a platform serving 2 million active users.
- Developed and maintained Terraform modules used by 12 internal teams, reducing environment provisioning time from 3 days to 20 minutes.
- Optimized AWS compute costs by implementing Spot Instances for non-production environments, saving the company $140,000 annually.
- Integrated DevSecOps practices by implementing automated vulnerability scanning into GitLab CI/CD pipelines.
- Orchestrated a multi-region deployment strategy that ensured 99.95% availability during 3 major regional outages.

Senior Cloud Systems Engineer | DataNexus Corp | Dallas, TX
Jan 2016 - May 2019

- Successfully migrated 150+ TB of legacy on-premise SQL data to Amazon Aurora with zero downtime during the cutover phase.
- Built an automated monitoring and alerting framework using Prometheus and Grafana, reducing Mean Time to Repair (MTTR) by 40%.
- Managed a monthly Azure cloud budget of $85,000 while ensuring all resources remained compliant with PCI-DSS standards.
- Mentored 4 junior engineers on cloud-native design patterns and Python scripting for administrative tasks.

Systems Administrator | TechNova Inc | Houston, TX
Aug 2013 - Dec 2015

- Administered a hybrid environment consisting of 200 virtual servers and initial AWS experimental workloads.
- Automated server backups and patch management using Bash and PowerShell, reducing manual labor by 15 hours per week.
- Configured VPN and Direct Connect links to establish secure low-latency connections between corporate headquarters and cloud VPCs.
- Resolved over 500 high-priority incident tickets related to network performance and storage availability.

EDUCATION

University of Texas at Austin | Master of Science | Computer Science
Sep 2011 - May 2013

Texas A&M University | Bachelor of Science | Information Technology
Sep 2007 - May 2011

SKILLS

Amazon Web Services (AWS), Microsoft Azure, Google Cloud Platform (GCP), OpenStack, Terraform, Kubernetes (EKS/AKS/GKE), Docker, Ansible, CloudFormation, Python, Go, Bash, Node.js, Git / GitHub Actions

CERTIFICATIONS

AWS Certified Solutions Architect – Professional | Amazon Web Services (Apr 2022)
Certified Kubernetes Administrator (CKA) | The Linux Foundation (Nov 2021)

LANGUAGES

English (Native)
Spanish (B2 Upper Intermediate)

ACTIVITIES

Open Source Contributor
Active contributor to several Terraform provider plugins and Kubernetes community documentation.

AWS User Group Leader
Organize monthly meetups in the Austin area to discuss emerging cloud technologies and best practices.

CV example from guide at vitae.so