Tommy Dunn

Site Reliability Engineer

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EXPERIENCE

PraiaHealth   *May 2024 - Present*

Site Reliability Engineer Sr

- Designed and deployed Azure Landing Zones (ALZ) using Terraform, including key resources such as AKS, Application Gateway (WAF), Firewall, Databricks, Power BI, Service Bus, Storage Accounts, Key Vaults, Private Endpoints, Public IPs, and API Management.
- Implemented a VNet-injected private Databricks account with Unity Catalog, enabling secure ETL workflows on large datasets and integrating Power BI for direct dashboard reporting.
- Developed multi-cluster, workload-identity-enabled AKS clusters to support distributed microservices architectures.
- Provisioned Azure PostgreSQL Flexible Server, Cosmos DB/Accounts, and Redis for stateful application workloads.
- Terraformed IAM for non-user identity principals, managing IAM roles and Privileged Identity Management (PIM) for secure breakglass access to all resources.
- Strengthened security by integrating Defender for Cloud (CNAPP), Sentinel (SIEM), and Checkmarx (SAST) to enhance threat detection and secure development practices.
- Authored comprehensive documentation for SOC 2 and HITRUST compliance, detailing infrastructure security, operational policies, and governance controls.

Providence Health & Services   *January 2020 - May 2024*

Site Reliability Engineer Sr

- Designed and maintained the infrastructure for core services managing patient logins across all external Providence applications, achieving %99.99 uptime. Micro-services containerized and hosted in AKS.
- Spearheaded the migration of services and infrastructure from AWS to Azure, transitioning from CFTs to Terraform to implement repeatable, scalable, and automated infrastructure solutions.
- Automated infrastructure deployments by developing an internal library of reusable Terraform modules, enabling consistency, scalability, and faster provisioning.
- Automated CI/CD pipelines using GitHub Actions by developing and internal library of reusable workflows and composite actions, establishing standardized practices across teams to streamline CI/CD processes and reduce code duplication.
- Partnered with IS security to implement robust security measures, passing all internal audits and external compliance reviews.
- Developed and enforced Azure Policies integrated with Microsoft Defender for Cloud to ensure compliance and governance, automating the application of security configurations across the Azure environment based on predefined policies.

EDUCATION

Seattle University *2006 – 2010*

Bachelor's Degree

SKILLS

Programming Languages: Python, Bash

Cloud Platforms & Tools: AWS, kOps, Microsoft Azure, AKS, Kubernetes, Docker, Terraform, Helm, Flux, Linux, Databricks

Monitoring & Automation: Prometheus, Grafana, Splunk, Jenkins, ELK, Datadog, GitHub Actions

Database & Storage: PostgreSQL, Cosmos, Redis, Amazon S3, Azure Storage Accounts