**Sadgi S**  
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Visa: Stamp 1G

**PROFESSIONAL SUMMARY**

Results-driven **DevOps Engineer** with **3+ years of experience** specializing in **traffic steering, cloud infrastructure, and automation**. Expertise in **Kubernetes (Calico, Envoy, etcd), DNS traffic management, and high-performance distributed systems**. Adept at **network troubleshooting (DNS, TCP/IP, HTTP/TLS), load balancing, and DDoS mitigation**. Skilled in **Terraform, Kubernetes Operators, Ansible**, and **monitoring solutions (Grafana, Loki, Prometheus, Thanos, Telegraf, Honeycomb)**. Passionate about **optimizing CI/CD pipelines, improving observability, and automating cloud-native deployments**.

**TECHNICAL SKILLS**

* **Cloud Platforms:** AWS (IAM, EC2, EKS, Lambda, S3), Azure, GCP
* **Containerization & Orchestration:** Kubernetes (Calico, Envoy, etcd), Docker, Helm, kustomize
* **Infrastructure as Code (IaC):** Terraform, Kubernetes Operators, Ansible
* **Networking & Security:** DNS, HTTP/TLS, TCP/IP, BGP, Load Balancing, DDoS Mitigation
* **CI/CD & Automation:** GitHub Actions, Argo CD, Jenkins
* **Monitoring & Observability:** Grafana, Loki, Prometheus, Thanos, Telegraf, Honeycomb
* **Databases & Storage:** Clickhouse (columnar), PostgreSQL, Redis
* **Scripting & Programming:** Python, Go, Bash, PowerShell

**PROFESSIONAL EXPERIENCE**

**Cloud Infrastructure Engineer**

SAP (DXC Technology), Dublin | **09/2024 – Present**

* **Designed and optimized Kubernetes-based traffic steering solutions** using **Calico, Envoy, and etcd**.
* **Developed DNS-based traffic routing strategies** to improve system reliability and performance.
* **Built and maintained CI/CD pipelines** with **GitHub Actions, Argo CD, and Jenkins**, reducing deployment lead times by **40%**.
* **Automated cloud infrastructure** with **Terraform and Kubernetes Operators**, streamlining provisioning and scaling.
* **Enhanced observability** with **Grafana, Loki, Prometheus, and Thanos**, improving incident detection and resolution.
* **Optimized load balancing and security** by implementing **DDoS mitigation tools** and refining **traffic filtering policies**.

**DevOps Engineer**

MindLink, Hyderabad | **09/2020 – 08/2022**

* **Managed large-scale Kubernetes clusters** on **AWS EKS**, deploying and scaling microservices efficiently.
* **Developed and optimized DNS traffic management solutions**, improving response times and uptime.
* **Implemented and automated cloud infrastructure** using **Terraform, Kubernetes Operators, and Ansible**.
* **Troubleshot networking performance issues**, optimizing **TCP/IP, HTTP/TLS, and DNS configurations**.
* **Designed containerized deployments** using **Helm, kustomize, and Kubernetes networking policies**.
* **Configured and managed observability tools** (Grafana, Prometheus, Honeycomb, and Thanos), ensuring real-time monitoring.
* **Improved security and resilience** by deploying **RBAC, IAM policies, and automated compliance checks**.

**PROJECTS**

**Traffic Steering Optimization**

* Developed a **dynamic traffic routing engine** using **DNS and BGP**, improving request latency by **20%**.
* Automated **TLS certificate management and encryption strategies** for secure traffic flow.

**High-Performance Monitoring Stack**

* Designed and deployed **Grafana, Prometheus, Thanos, and Loki** for real-time observability.
* Reduced false alert rates and improved incident response times by **30%**.

**EDUCATION**

* **Masters in AI Regulatory Affairs**, University College Dublin