Suman Kanika

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Professional Summary

DevOps & Cloud Engineer with 4 years of experience in **Cloud (AWS, Azure, GCP)**, **CI/CD automation**, **Infrastructure as Code (IaC)**, and **container orchestration**. Proven expertise in building scalable, secure, and automated environments using **Kubernetes, Docker, Terraform, Ansible, and Jenkins**. Adept at streamlining deployment pipelines, enhancing observability through **monitoring solutions**, and implementing strong **security** practices across multi-cloud platforms.

Core Skills

- **Cloud Platforms:** AWS, Azure, GCP
- **SCM:** Git, GitHub, Bitbucket
- **CI/CD & Automation:** Jenkins, Maven, Gradle
- **Infrastructure as Code (IaC):** Terraform, Azure Bicep, Ansible
- **Containers & Orchestration:** Docker, Kubernetes, AKS, NGINX Ingress
- **Monitoring & Logging:** Prometheus, Grafana, Loki, EFK
- **Security & Access Management:** IAM, RBAC, Microsoft Entra ID, SSL/TLS
- **Scripting & Tools:** Bash, Python, Git, SonarQube, Kafka, Linux/Windows

Professional Experience

DevOps & Cloud Engineer | Adcore Solutions

Project: TuneStream | Client: LogicIC | Oct 2024 – Present

- Automated **Azure cloud infrastructure** with **Terraform and Bicep**, ensuring repeatable and reliable deployments.
- Deployed containerized workloads on **Kubernetes (AKS)** via **Jenkins CI/CD pipelines** integrated with GitHub and Gradle.
- Implemented **security** using Entra ID (Azure AD), RBAC, and Private Endpoints.
- Built and optimized **Docker images** for faster deployments.

- Integrated **SonarQube** for code quality and stored artifacts in Azure Blob Storage.
- Configured monitoring using **Prometheus and Grafana**; automated setups via **Ansible** and **Bash**.
- Troubleshot **Kafka** and Zookeeper clusters to maintain high availability.

Project: TuneStream | Client: LogicIC(GCP IAC Project) | Feb 2024 – Oct2024

- Designed multi-environment GCP infrastructure using Terraform, automating VPC, subnet, and VM creation.
- Established centralized Jenkins pipelines to provision infrastructure and manage configuration across multiple projects.
- Built a custom Docker image for Jenkins agents with Terraform, Ansible, and cloud SDKs preinstalled, streamlining CI/CD.
- Developed dynamic Ansible playbooks to fetch GCP VM inventory using host tags for automated software deployments.

Graduate Engineer Trainee | BKFS

Project: BKFS Financial System | Client: BKFS | Oct 2021 – Feb 2024

- Designed **AWS and Kubernetes** infrastructure ensuring high availability and fault tolerance.
- Built secure VPCs, NAT Gateways, and route tables with IAM-based access management.
- Automated provisioning with **Terraform reusable modules** (VPCs, EC2, EBS).
- Developed **CI/CD pipelines** with **Jenkins**, enabling automated builds, testing, and deployments.
- Managed Jenkins nodes for distributed builds and optimized job scheduling.
- Automated server provisioning and configuration with **Ansible**.
- Deployed applications on **Kubernetes** with autoscaling, rolling updates, ConfigMaps, and Secrets.
- Enhanced observability with **Prometheus, Grafana, and Loki**.
- Enforced **security best practices** with IAM roles, MFA, and access policies.
- Partnered with development and QA teams to optimize release pipelines.

Education

Bachelors of Technology – Sasi Engineering College, Visakhapatnam (2021)

Key Achievements

- Delivered **end-to-end DevOps pipelines** integrating **Kubernetes, Jenkins, and IaC**.
- Reduced manual configuration by 60% via **Terraform and Ansible automation**.
- Established secure multi-cloud deployments with **AWS, Azure, GCP**.
- Implemented monitoring and logging solutions improving uptime by 30%.