Sumanth Bade

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DevOps Engineer with ~2 years of experience in the IT industry, skilled in multi-cloud environments (AWS, Azure, GCP) with expertise in CI/CD, release management, containerization, Kubernetes, and build automation. Proficient in Git-based workflows, Linux environments, and Atlassian tools such as Bitbucket for efficient source control and deployment processes.

Summary:

A Result Oriented Accomplished DevOps & Cloud Engineer with Hands on Knowledge on Cloud and DevOps.

- Cloud & DevOps Engineer with strong working knowledge in **Microsoft Azure** (VMs, VNet, Load Balancer, Application Gateway, Key Vault, Private Endpoints) and hands-on experience across **AWS** and **GCP**.
- Proficient in **Infrastructure as Code (IaC)** using **Terraform** and **Azure Bicep**, enabling automated and scalable cloud infrastructure provisioning.
- Experienced in **CI/CD pipeline design** using **Jenkins**, **GitHub/Bitbucket**, and build tools like **Maven/Gradle**, integrating quality checks with **SonarQube** for continuous code analysis.
- Skilled in **containerization and orchestration**, including **Docker**, custom image builds, **Azure Kubernetes Service (AKS)** deployments, and secure ingress with **NGINX** and SSL/TLS.
- Implemented **monitoring and logging** solutions using **Prometheus, Grafana, Loki, and Elasticsearch/Kibana**, including automation of installation and configuration via **Bash scripting** and **Ansible**.
- Strong troubleshooting experience in **Kafka, Zookeeper**, deployment issues, and secure access configurations, ensuring high availability and performance stability across environments.
- Collaborative team player with a proactive approach to problem-solving and delivering reliable, production-ready solutions.

Technical Skills:

Cloud Platform	**Azure**
Version Control	**GitHub, Bitbucket**
CI/CD	**Jenkins, Azure DevOps**
Configuration Management	**Ansible**
Build Tool	**Maven, Gradle**
Container Technology & Management	**Docker, Kubernetes**
Infrastructure as Code	**Terraform, Azure Bicep**
Artifact Management	**Azure Container Registry (ACR), Docker Registry**

Monitoring & Logging	**Prometheus**, **Grafana**, **Loki**, **EFK (Elasticsearch, Fluentd, Kibana)**
Scripting	**Bash, Python**
DBMS	**MySQL**
Messaging & Streaming Platforms	**Apache Kafka (Installation & Configuration)**
Operating Systems	**Linux, Windows**
Web/Application Services	**Apache, Nginx, Tomcat**
Languages	**Python**

Professional Experience:

Working as **DevOps & Cloud Engineer | Adaequare Info Pvt Ltd, Hyd, TG | Present**

Project's in Adaequare:

Project : Aftra   Oct 2024 to Present
Client : Coda

Responsibilities:

- Automated infrastructure provisioning in **Microsoft Azure** using **Bicep**, enabling consistent and repeatable deployments aligned with Infrastructure as Code (IaC) principles.
- Provisioned and managed core Azure services such as **Virtual Networks (VNet)**, **Storage Accounts**, **Virtual Machines**, **Microsoft Entra ID**, **AKS**, **ACR**, **Key Vault**, and **Managed Identities**, **Private Endpoints** as part of the deployment workflows.
- Deployed containerized applications to **Azure Kubernetes Service (AKS)** using **Jenkins CI/CD** pipelines integrated with **GitHub**, **Gradle**, and **Azure Container Registry (ACR)**.
- Configured **Redis cache** with password-based authentication and access controls to enable secure, high-performance caching across multiple environments.
- Automated deployment of a multi-broker **Apache Kafka** cluster in KRaft mode, achieving high availability and removing dependency on **ZooKeeper**.
- Implemented **private endpoints** to restrict communication within the **Azure Virtual Network**, and leveraged **Managed Identities** and **RBAC** for secure, role-based access control between resources.
- Developed and optimized **Dockerfiles with multi-stage builds** for minimal, efficient images and **Jenkinsfiles** to streamline and simplify build, deployment, and CI/CD processes.
- Integrated **SonarQube** into CI/CD pipelines for continuous code quality analysis and used **Azure Blob Storage** for storing artifacts and logs.
- Responsible for **integrating and configuring Microsoft Entra ID (Azure AD) Single Sign-On (SSO)** to applications, enabling secure, centralized, and seamless user authentication and access control.
- Troubleshot and resolved issues related to **Kafka and Zookeeper** operations, as well as **build configuration problems**, ensuring smooth deployment and stable system performance.

Project   **:** GCP-IAC   Feb2024 to Oct 2024
Client   **:** CoreLogic

Responsibilities:

- Designed and provisioned **GCP infrastructure** using **Terraform** for multiple environments (dev, test, prod).
- Automated creation of **VPCs, subnets**, and **VMs**, including a Jenkins host for CI/CD workflows.
- Responsible for **implementing standardized infrastructure provisioning practices** across multiple projects by utilizing a centralized **Jenkins server** in one project to automate the creation and management of infrastructure in other projects.
- Implemented **Ansible playbooks** to dynamically fetch GCP VM inventory using **host tags** for automated software deployment.
- Developed a custom **Dockerfile** to build a **Jenkins agent** with Terraform, Ansible, and cloud SDK tools pre-installed.
- Integrated Jenkins with Terraform and Ansible to enable **end-to-end infrastructure provisioning and configuration management.**

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Education:

- **Bachelor of Technology (B.Tech)** – Raghu Engineering College, Visakhapatnam, Andhra Pradesh, **Score**: 60%
- **Board of Intermediate Education MPC-** Raghu Engineering College, Visakhapatnam, Andhra Pradesh, **Score**: 95.7%
- **SSC-** Amar Concept School, Visakhapatnam, Andhra Pradesh, **Score**: 90%

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Contributions:

- ✓ [GitHub](#)
- ✓ [Monitoring Stack](#)
- ✓ [GCP-Project](#)