Sumanth Bade

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Around 2 years of experience in the IT industry, working across multi-cloud environments (AWS, Azure, GCP) with a strong focus on DevOps practices including Continuous Integration (CI), Continuous Deployment (CD), release management, containerization, Kubernetes, and build automation. Additionally, experienced with Atlassian tools such as Bitbucket (formerly Stash) and hands-on with Git-based workflows and build automation in Linux environments.

Summary:

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

- ✓ Skilled in Cloud and DevOps operations processes.
- ✓ Strong working knowledge of **Microsoft Azure** and its core services, including **Virtual Machines, Blob Storage**, **Application Gateway**, **Azure Load Balancer, Microsoft Entra ID**, **Virtual Networks (VNet)**, **Private Endpoints**, **Key Vault**, **Managed Disks**, **Azure DevOps**, **ARM Templates**, **App Services**, and **Azure Functions**.
- ✓ Proficient in Infrastructure as Code (IaC) using **Terraform** and **Azure Bicep** for automating and managing cloud infrastructure deployments.
- ✓ Applied **automation** practices throughout the development, build, and deployment stages of the application lifecycle to improve efficiency and consistency.
- ✓ Designing, implementing and supporting fully automated infrastructure provisioning and application deployments using **Azure Bicep**, **Kubernetes**, **GitHub**, **Jenkins**, **Maven**, and **Azure Container Registry (ACR)**.
- ✓ Worked on setting up CI pipelines using **Jenkins** & Hands-on experience with build tools like **Maven**.
- ✓ Integrated **Jenkins** with code quality tools such as **SonarQube** for continuous code analysis and quality checks.
- ✓ Worked with distributed version control systems such as **Git**, **GitHub** and **Bitbucket** for source code management and collaboration.
- ✓ Ability to work closely with cross-functional teams to ensure high-quality and timely delivery of builds and releases.
- ✓ Built and deployed containerized applications to **Azure Kubernetes Service (AKS)** in a continuous integration environment, automating the entire deployment process.
- ✓ Worked on **Docker** installation and orchestration using **Docker Swarm**, created custom container images, and managed tagging and pushing images to **Azure Container Registry (ACR)**.
- ✓ Worked with **Ansible** to manage software provisioning and configuration on diverse Linux-based servers using custom playbooks.
- ✓ Worked on deploying and managing web applications on **Apache Tomcat** in various environments.
- ✓ Designed, deployed, and maintained a centralized **Monitoring** and **Logging** stack using **Prometheus**, **Grafana**, and **Loki**, enabling real-time metrics visibility, log aggregation, and proactive alerting in different environments.

- ✓ Good knowledge and working experience in using **Elasticsearch**, **Kibana**, **Prometheus**, and **Grafana** for logging and monitoring.
- ✓ Developed robust **Bash scripts** to automate end-to-end installation and systemd service configuration of observability tools like **Elasticsearch**, **Grafana**, **Loki**, and their agents, enabling consistent, repeatable, and production-ready deployments.
- ✓ Implemented **SSL/TLS** certificates in **Azure Kubernetes Service (AKS)** to enable secure communication between services by configuring **Ingress controllers** (e.g., **NGINX**) with **HTTPS** termination to enforce secure service access.
- ✓ Configured and managed secure access to Azure services by integrating Private Endpoints with **Azure Key Vault**, **Storage Accounts**, and **SQL Databases**, enforcing network isolation and enhancing compliance with enterprise-grade security policies.
- ✓ Performed critical system maintenance tasks including Jenkins backup and restore, Ubuntu OS upgrades, and disk swapping, ensuring high availability and performance stability across environments.
- ✓ Hands-on working knowledge in identifying and resolving deployment and connectivity issues across services, ensuring minimal downtime and stable environments.
- ✓ Good interpersonal skills, a strong team-working attitude, proactive in solving problems, and focused on delivering optimal solutions.

Technical Skills:

Cloud Platform	**Azure**
Version Control	**GitHub, Bitbucket**
CI/CD	**Jenkins**, **Azure DevOps**
Configuration Management	**Ansible**
Build Tool	**Maven**
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**

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%

Professional Experience:

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

Project in Adaequare:

Project   : Aftra
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**, **Maven**, 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.
- ✓ Integrated **SonarQube** into CI/CD pipelines for continuous code quality analysis and used **Azure Blob Storage** for storing artifacts and logs.

Automated GCP Infrastructure Provisioning and Configuration using Terraform, Ansible, and Jenkins:

- ✓ 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.
- ✓ 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.**

Contributions:

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