

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.

- 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, Gradle**, 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, 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.
 - Troubleshoot and resolved issues related to **Kafka and Zookeeper** operations, as well as **build configuration problems**, ensuring smooth deployment and stable system performance.
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Project : Offshore Feb2024 to Oct 2024

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](#)