Blissy Angelica

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Experience Summary:

DevOps Engineer with approximately **four years** of experience, focused on enhancing development workflows and automating cloud-based infrastructures. Skilled in both AWS and Azure, and knowledgeable in managing Windows, Linux, and Mac servers. I am adept at capitalizing on opportunities and efficiently resolving challenges that arise.

Professional Summary

➢ Deployed multiple Azure VMs, ensuring high availability and security.
➢ Conducted patch management and troubleshooting in compliance with organizational policies.
➢ Implemented CI/CD pipelines using Jenkins and azure DevOps automated Azure IaaS solutions.
➢ Resolved GIT dependencies and managed Python-based builds on Linux.
➢ Integrated various tools into Jenkins and demonstrated proficiency in Docker and Kubernetes.
➢ Monitored large-scale software environments using Splunk.
➢ Having strong experience with ARM templates.
➢ Exhibited strong Linux/Unix admin skills, including scripting and command-line operations.
➢ Conducted POCs for application deployments; adhered to best practices in Agile/Scrum.
➢ Skilled in communication, documentation, and issue identification.
➢ Experience in designing, developing, and optimizing large –scale data solutions, real-time data streaming.
➢ Proficient in DevOps practices, spanning system architecture, development, and operations.
➢ Excelled in ambiguous scenarios through proactive problem-solving.
➢ Having knowledge on Azure IaaS, VNETs, NSG, Peering, Application Gateways, Security Center, Log analytics Azure AD, and general Azure PaaS services.
➢ Having knowledge in building and managing ETL pipelines, incremental data loading , fault tolerance and efficient data transformation processes.
➢ Provided mentorship on Linux server engineering, configuration, and management to team members.
➢ Skilled in using incident management and bug tracking tools, including JIRA and Service Now.
➢ Experienced in Software Configuration Management with a focus on Kanban and Agile/Scrum frameworks.
➢ Adept at comprehensive security assessments and threat detection to strengthen organizational security measures.
➢ Possess a broad expertise in multiple security domains, contributing to a comprehensive cybersecurity approach.
➢ Good understanding of smart contract written in Go lang, particularly if the testing involves executing transactions and evaluating smart contract behaviour
➢ Experience with programming languages including Java, JavaScript, and Python

Technical Skills

Cloud Environment: AWS, Azure
AWS Services: EC2, S3, IAM, VPC, Load Balancer, Autoscaling
Azure Services: AKS, ACR, Virtual Machine,Storage Unit, VNET, Azure Data Bricks,Azure Data Factory
SCM Tool: GIT, Azure Repo, BitBucket
Build Tool: Maven
Operating System: Linux (Ubuntu, Centos, RedHat)
CI/CD Tools: Azure DevOps ,Jenkins
Containerization: Docker
Scripting Language: Shell/Bash, Powershell , SQL
IDE Tool: VS code
Artifact: Docker Hub, ACR, ECR

Educational Qualifications:

Master's of Technology in Electronics, JNTU Kakinada (2014-2018)
Bachelor's of Technology in Electronics, JNTU Kakinada (2018-2020)

Professional Certification
Microsoft Azure Fundamentals (AZ-900)
Microsoft Azure Administrator (AZ-104**)**

Awards:
Awarded "Team Champion" for Q1 2022
Honored with the "Team Champion" award for Q4 2021

Projects Summary

Company: HCL Technologies Limited   **Duratio** :March2021-October2023
Role: Member Technical Staff
Environment:
Azure DevOps, **Azure Repos**, Jira, MS Teams, **Docker**, Service Now, Grafana, Splunk,
Powershell,Terraform

Responsibilities:
➢ Engineered Build and Release pipelines using Azure DevOps, enhancing CI/CD processes.
➢ Integrated various tools like SonarQube, GitHub, and Docker into the build pipeline for comprehensive code and security analysis.
➢ Set up an AKS-based release pipeline, incorporating approval-based deployments for enhanced security.
➢ Automated CI triggers in build pipelines and reduced deployment time by 30% through efficient CI/CD pipelines.
➢ Utilized PowerShell for task automation, achieving a 40% reduction in manual effort.
➢ Worked with multiple teams to troubleshoot and optimize Azure infrastructure.
➢ Managed GIT branching and build strategies, and integrated multi-branch pipeline jobs with SCM tools.
➢ Managed custom machines using Terraform
➢ Troubleshooted and resolved infrastructure issues by analyzing Terraform logs, state files, and resource dependencies.
➢ Developed reusable Terraform modules to standardize infrastructure provisioning across multiple projects, resulting in improved efficiency and consistency.
➢ Conducted regular code reviews and provided mentorship to junior team members on Terraform best practices and techniques
➢ Implemented Terraform state locking to prevent concurrent modifications and ensure data integrity in multi-user environments.
➢ Containerized applications using Docker and implemented Blue-Green upgrade strategies via auto-rollouts.
➢ Enforced approval-based policies for production deployments.
➢ Implemented cluster autoscaling and Horizontal Pod Autoscaling (HPA) for efficient resource use.
➢ Monitored cluster performance using Prometheus and Grafana, while also utilizing Newrelic for log management.

Company: Globe Active Technologies Limited   **Duration**: March 2020 - March 2021
Role: DevOps Engineer
Environment:
AWS, EC2, S3, VPC, GIT, Jenkins, Maven, Tomcat, Ansible, Docker, Kubernetes

Responsibilities:

- Implemented and maintained the branching strategies utilizing GIT.
- Created and maintained fully automated CI/CD pipelines using Jenkins.
- Integrated Git with Jenkins and ran Jenkins jobs to pull code from GITHUB
- Automated Maven with Jenkins to build a Java project using Jenkins
- Automated build and deployment on Tomcat with Jenkins and deployed artifacts on Tomcat server
- Automated build and deployment on Docker container using Jenkins
- Created Docker containers using Ansible to integrate with Jenkins.
- Implemented Ansible playbooks to create images and containers, and copy the image to Docker Hub
- Implemented continuous deployment of Docker containers using Ansible playbooks
- Integrated Kubernetes with Ansible and created Ansible playbooks for deploy and service files.
- Managed Kubernetes clusters, including deployment, scaling, and monitoring.
- Created and maintained Kubernetes resources such as pods, services, deployments, and config maps.
- Implemented security measures within Kubernetes, including RBAC, network policies, and secrets management.
- Troubleshooting issues related to Kubernetes infrastructure, networking, and application deployment.
- Raised changes based on the activities needed to be performed on production.
- Worked with different teams like development and others based on the issues.
- Coordinated with the development team to test and fix the build jobs.
- Implemented security best practices by integrating AWS Identity and Access Management (IAM) with Jenkins to ensure secure deployment procedures.
- Worked closely with the development team to optimize the application's performance by identifying bottlenecks and suggesting improvements.
- Implemented cost-optimization strategies in AWS, leading to a significant reduction in monthly cloud expenses.
- Strong understanding of networking fundamentals, including TCP/IP, DNS, HTTP/HTTPS, firewalls, routers, and switches
- Good Knowledge of network security principles, encryption, secure communication protocols, and the ability to identify and mitigate network-based attacks
- Having experience with programming languages including Java and Python

- Participated in on-call rotations, providing 24/7 support for critical production issues and ensuring minimal downtime.

Declaration:

I hereby declare that all the information furnished above is true to the best of my knowledge and belief. I earnestly request you to consider my application and provide me with an opportunity to serve your esteemed organization.

Place: **Your's Sincerely,**
Date: **Blissy Angelica**