Chaitanya Golhar

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Cloud and Infrastructure Engineer with 1.5 years in the field. AWS Solution Architect Associate certified, I'm a DevOps and cloud enthusiast eager to contribute my skills and knowledge to organizational growth. Actively seeking opportunities to further enhance my capabilities in a dynamic tech environment.

EXPERIENCE

Engineer - Cloud & Infra Services | LTIMindtree

Bengaluru, Karnataka | July 26, 2022 - Present

CIS - Academy Training | July 26, 2022 - Dec 10, 2022

- Completed comprehensive CIS Training at LTIMindtree, honing skills in Linux Administration, Python, AWS, Networking, and PowerShell Scripting.

Data Middleware Administrator | Feb 2023 - Present

Project - CTI GCB | Client - CITI

- Monitored Infosphere suite (DataStage/Quality Stage) servers, efficiently resolving job locks, shared memory locks, and hung processes, ensuring a 20% reduction in incidents.
- Applied fixes, patches, and service packs promptly, contributing to sustained infrastructure and application stability.
- Proactively managed start/stop services, monitored logs, set up security measures, assigned roles, and project permissions.
- Developed a Python Automation Script for weekly health checks of DataStage Admin consoles, streamlining administrative tasks by 25%.
- Implemented a bash script for daily service checks on production servers, reducing manual efforts by 30%.

EDUCATION

Bachelor of Engineering in Mechanical Engineering

K. K. Wagh Institute of Engineering Education and Research, Nashik

July 2018 - June 2022

CGPA: **9.58**

SKILLS

Operating Systems:
- Linux
- Windows

Scripting Language:
- Bash Scripting

Programming Languages:
- Python
- C

Cloud Platform:
- AWS
- AWS Services: IAM, EC2, EBS, EFS, S3, SNS, SES, VPC, NACL, Load Balancer, Autoscaling, DynamoDB, RDS, Lambda Function, CloudWatch, Route53, ESC, ECR, EKS

Version Control Tool:
- Git
- GitHub

Containerization:
- Docker

Orchestration Tool:
- Kubernetes

Infrastructure as Code (IAC):
- Terraform

Continuous Integration/Continuous Deployment (CI/CD):
- Jenkins

ETL Tool:
- DataStage (Administrator)

MINI - PROJECTS

Project Title: CI/CD Pipeline for Two-tier Flask Application Deployment

Objective:
Developed a robust CI/CD pipeline to automate the deployment of a two-tier Flask application on AWS instances, ensuring scalability and high availability.

Implementation:
Used Jenkins and Docker for automated container creation, ensuring consistent and reproducible environments. Employed Git and GitHub for version control, facilitating collaborative development. Utilized Docker Compose to seamlessly integrate and orchestrate frontend and backend services. Implemented a Docker volume to run .sql script inside mysql container, Created Docker network to enable efficient communication between the both services, enhancing the overall deployment process. Integrated AWS Load Balancer and Auto Scaling to enhance the project's high availability and scalability.

Project Title: Automated MySQL Backup and Storage to AWS S3 with Jenkins

Objective:
Implemented an automated solution using Jenkins to perform daily MySQL database backups and seamlessly upload them to an AWS S3 bucket. Incorporated mail plugins for Jenkins to notify users upon successful job completion

Implementation:
Created a Jenkins job to orchestrate the backup process, ensuring the daily execution of MySQL backups. Integrated AWS S3 for secure and efficient storage of the backups. Employed Jenkins mail plugins to notify users promptly when the backup job successfully completed.

Project Title: AWS Lambda Automation for S3 and DynamoDB Interactions

Objective:
Developed a robust AWS Lambda function to automate updates in a DynamoDB table in response to upload and delete operations on an associated S3 bucket. Incorporated Amazon SNS for seamless notification delivery.

Implementation:
Crafted an AWS Lambda function that dynamically updates entries in the DynamoDB table based on S3 bucket activities, ensuring synchronization. Integrated SNS for real-time notifications to relevant stakeholders. Streamlined upload and delete operations on the S3 bucket, enhancing the overall data management process.

Project Title: Kubernetes Cluster Setup and MySQL-Flask

Continuing Learning:
- DevOps Tools

CERTIFICATIONS

AWS Solution Architect – Associate

AZ-900: Microsoft Azure Fundamentals Certification

AWS Partner: Accreditation (Technical)

LANGUAGES

- English
- Hindi
- Marathi

App Deployment

Objective:
Established a resilient Kubeadm cluster on dual EC2 instances, dedicating one to the Control plane and the other to the data plane. Installed Git and Docker on both instances.

Implementation:
Deployed MySQL and Flask app pods seamlessly through Kubernetes, incorporating persistent storage, ClusterIP, and NodePort Services for internal and external accessibility. Enhanced security with ConfigMap and Secret for the provision of ENV variables, reinforcing the MySQL and Flask app deployments. This hands-on project provided valuable insights into Kubernetes cluster management, secure MySQL deployment, and the seamless integration of Flask applications for effective communication within the Kubernetes environment.