Sai V

AWS AZURE DEVOPS ENGINEER

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Profile Overview:

Having 3 + years of Experience in Implementing Organization **DevOps** strategy in various environments of **Linux** and **windows** servers along with adopting cloud strategies based on **AWS and AZURE**.

Professional Profile:

Having 3 + years of experience in areas of Build / Release / EnvironmentManagement, releases for multiple Applications running on both Linux & Windows based distributed Infrastructures. Software Configuration and DevOps Methodologies with equal emphasis on supporting Java/python applications and setting up and maintaining CI & CD pipelines and delivering on AWS and AZURE.

AWS Services:
- Assisting in automating cloud deployments using AWS services like EC2, S3, IAM, and CloudWatch.
- Creating and attaching RDS Databases such as PostgreSQL and MySQL to applications.
- Creating and managing users, groups, and roles and assigning roles to EC2 instances using IAM.
- Creating new resources in test environments using Terraform.
- Building infrastructure for quick deployment, running, and scaling of software in the cloud.
- Responsible for installing Jenkins master and slave nodes.
- Configured Git with Jenkins, scheduled jobs using POLL SCM, and enabled email notifications.
- Experienced with Apache Tomcat Server for web hosting.
- Hands-on experience with Maven for build automation.
- Used Ansible as a configuration management tool to deploy infrastructure across multiple environments.
- Writing and maintaining Dockerfiles, creating various microservices images, and managing containers in Docker Hub Registry.
- Building Dockerfile and Docker Compose files for containerized applications.

- Worked with Docker Swarm, setting up manager and worker nodes, creating services and networks.
- Hands-on experience using Kubernetes for container orchestration, managing pods, services, deployments, replica sets, config maps, secrets, volumes, persistent volume claims, ingress, and namespaces.
- Developed DevOps workflows, CI/CD pipelines, and test automation.
- Responsible for deployments, monitoring, reporting, and patching.
- Complete documentation and procedures for installation and maintenance.
- Proficient in Linux system administration, including shell scripting, server management, and troubleshooting.

Azure Services:

- Assisting in automating cloud deployments using Azure Virtual Machines, Blob Storage, and Monitor.
- Creating and managing Azure Kubernetes Service for containerized application orchestration.
- Creating and managing users, groups, and roles in Azure Active Directory and assigning role-based access.
- Creating new resources in test environments using Terraform for Azure.
- Building scalable cloud infrastructure using Azure Virtual Networks and Network Security Groups.
- Installing and configuring Azure DevOps pipelines for CI/CD automation.
- Configuring Azure Repos with Azure Pipelines for automated builds and deployments.
- Deploying Azure Functions and Logic Apps to automate cloud workflows and event-driven tasks.
- Writing and maintaining Dockerfiles for microservices and pushing images to Azure Container Registry.
- Deploying and managing containerized applications using Azure Kubernetes Service.
- Configuring Application Gateway and Azure Load Balancer for managing traffic and ensuring high availability.
- Setting up and managing Azure SQL and Cosmos DB for relational and NoSQL database solutions.
- Monitoring cloud resources using Azure Monitor, Log Analytics, and Application Insights.
- Responsible for patching, monitoring, and reporting cloud infrastructure health and performance.

PROFESSIONAL EXPERIENCE:

❖ **Techryver Hyderabad, India from: Aug 2021 May-2022**

   Worked as a Cloud and DevOps Engineer

❖ **clarient Hyderabad ,india from: May-2022 to Nov 2023**

   Worked as DevOps Engineer

❖ **Currently Worked as a Software Engineer in Ninesoftech, Hyderabad**

from Dec 2023 to till now.

Projects:

Project - 1 : Taoshi Dashboard
Client : Taoshi

- Deployed and managed a cryptocurrency trading/mining project, integrating performance tracking for BTC and ETH positions, orders, and ROI analysis.

- Implemented CI/CD pipeline using Git (version control), Git hub Actions (cicd), Docker (containerization), ECR (Container registry), AWS App runner (Deploy backend), AWS Amplify (Frontend).

Project - 2 : Travel Portal
Client :   Vihari Cabs

- Successfully deployed a web application for Vihari Cabs, offering streamlined booking solutions for one-way and round-trip journeys, featuring popular destinations, 24/7 road assistance, and luxury travel options. Enhanced user experience with features like free pickup/drop-off services,

  costeffective pricing, and a curated selection of premium vehicles.

- Deployed this travel booking platform using Git, Jenkins, Docker, EC2, and Docker Swarm for CI/CD,

scalability, and container orchestration. Successfully deployed a web application for Vihari Cabs, offering streamlined booking solutions for one-way and round-trip journeys, featuring popular destinations, 24/7 road assistance, and luxury travel options. Enhanced user experience with features like free pickup/drop-off services, cost-effective pricing, and a curated selection of premium vehicles.

Project – 3 : TIB

Client : TIB UK

- Deployed a cybersecurity web application on Azure using GitHub Actions, Docker, and Azure Container Apps. Implemented CI/CD pipelines for automated builds, containerized deployment, and scalable cloud infrastructure.

Project – 4 : Mahabharat

Client: Iskon Temple Haridwar

- Deployed the Mahabharat project using Jenkins CI/CD, automating builds and deployments with Docker Compose. Managed source control with GitHub, containerized services with Docker, and ensured code quality using SonarQube, optimizing deployment efficiency and maintaining high code standards.

My Organisation Own Products:

- **Social-Media-Management-Application**
- **Ecommerce**
- **Trudesk-web**

Roles & Responsibilities:-

- Hands-on experience in Amazon Web Services (AWS) and Worked as a part of AWS build team.
- Designed and implemented Continuous Integration process using tools like Jenkins with approval from development and other affected teams. Manage Build and Release requests using Jenkins.
- Creating CI/CD pipelines by integrating source control tools GIT, Build tools like Maven, CI tool like Jenkins and Deployment automation tool like Ansible.
- Maintaining EC2 services like launching instances, attaching volumes, configuring security group, monitoring.
- Creating the AMI's for the different types of Environments [like Development, Production and Testing].
- Creating S3 buckets and managing policies for S3 buckets and Utilized S3 bucket and Glacier for storage and backup on AWS GUI and CLI.
- Create and managing VPC, Subnet, Security groups and launching instances in it.
- Generating the Artifacts by using the Build Tools like Maven. Creating, Building and Scheduling the Jobs through Jenkins.
- Creating Ansible playbooks for infrastructure automation, application deployment automation and managing automation.
- Attended various trainings on GIT, Ant, Maven, and Jenkins.
- Setup/Managing Linux Servers on Amazon (EC2, EBS, ELB, Security Groups, and IAM).
- Setup/Managing VPC, Subnets; make connection between different zones; blocking suspicious ip/subnet via NACL.
- Snapshots of EC2 instance volumes and restore of servers from snapshots/AMIs Taking AMI of an instance and building a new instance from the AMI image.
- Monitoring and configuring the Cloud watch metrics for the EC2 servers.
- Worked exclusively on making applications more scalable and highly available system in AWS (load balancing) with full automation.
- Responsible for creating and managing a collection of related AWS resources, provisioning and updating them in an orderly and predictable fashion.
- Managing multiple users and their permissions with Identity and Access Management.
- Configuring security groups based on client requirements to allow/deny the traffic based upon ports, protocols and IP addresses.
- Managing and collection of logs through AWS Cloud Trail.
- Focusing on the processes, techniques and tools that can help to save company's expenditure on IT infrastructure after it is been moved to AWS cloud.
- Designing and Deploying Highly scalable infrastructure using ELB and Auto Scaling services. Creating Public and private Subnets, Routing tables and Internet Gateway by using VPC.
- Managing Amazon Web Services (AWS) infrastructure with automation and configuration management tools such as Ansible and Jenkins.
- designed and implemented ci/cd pipelines using azure devops, integrating git repositories, build tools, and deployment automation.
- managed azure virtual machines (vms) by configuring networking, scaling, and security policies for high availability and performance.
- created and managed azure virtual networks (vnet), subnets, nsgs, and peering for secure communication between resources.
- deployed and maintained azure kubernetes service (aks) for containerized applications, ensuring efficient scaling and orchestration.

- implemented storage solutions using azure blob storage, azure files, and azure backup, optimizing data availability and security.
- configured azure monitor and log analytics for real-time monitoring, alerting, and log analysis to improve system reliability.
- managed user authentication and security policies using azure active directory (aad), implementing role-based access control (rbac).

QUALIFICATION:

Highest qualification B.sc Degree at DNR College Bhimavaram ,AKNU 2021

HOBBIES:

Sports, Listening music, Learning new technologies.

Declaration:

I hereby declare that the information provided above is true and correct to the best of my knowledge and belief.

Place : Hyderabad

Date :

Name : Sai V