RAJASEKHAR BETHA

DevOps/SRE Engineer at Infosys Limited, Hyderabad

DevOps Engineer at Infosys with over 2.5 years of experience specializing in **DevOps Automation**, **AWS Cloud**, **Azure Cloud**, **Linux Administration**, and **Application Infrastructure & Monitoring**. Certified in AWS SysOps Administrator-Associate, Azure DevOps Engineer Expert and Azure Administrator Associate. Proven team player supporting cross-domain teams in product development and operations. Good hands-on experience in both AWS and Azure services.

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More About me: My_Portfolio | GitHub

Location : Hyderabad, India

WORK EXPERIENCE:

Senior Systems Engineer – Infosys Limited

07/23 – Present   *Hyderabad*

Tasks/Achievements:

- Provisioned **infrastructure** for Telstra Application, emphasizing data sharing between dealers and the Telstra management system.
- Initiated automation with **Terraform** in **AWS**, establishing **EC2** instances hosting **Docker** for project needs. Configured a pipeline for 17 interfaces of TMS, integrating **Jenkins**, **SonarQube** and **JFrog**.
- Orchestrated deployment on AWS servers after successful builds, ensuring seamless data sharing.
- Created and managed infrastructure in AWS, including **VPC**, **EC2**, and **IAM** Roles and Hosted essential tools like **Docker** and **Jenkins**, ensuring a robust and scalable environment.
- Proficient in writing Docker scripts, creating containers, images, and pushing them to Docker Hub.
- Played a key role in creating and managing the **CI/CD pipelines** for 17 interfaces and actively participated in daily stand-up meetings, adhering to **Agile** methodology principles.

Systems Engineer – Infosys Limited

11/21 – 06/23   *Hyderabad*

Tasks/Achievements:

- Managed the **WebLogic** Servers deployed on **Kubernetes** Clusters and Managing the Application Infrastructure using **Splunk** and Monitoring dashboards.
- Demonstrated expertise in **Java Keystore** Management and **SSL Certificate** installation, ensuring secure communication across various systems. Successfully installed SSL Certificates on **IBM HTTP Server** in production environments, ensuring secure communication and data integrity.
- Implemented timely configuration changes, including **LDAP** reconfiguration and Daylight Savings Activity adjustments, resulting in improved system performance and functionality.
- Provided reliable infrastructure support for various **changes, releases**, and **deployments** in **production**, contributing to the successful implementation of new features and updates.

EDUCATION:

B. Tech – Mechanical Engineering

Godavari Institute of Engg and Technology

Rajahmundry

07/2017 – 09/2021   *9.16 CGPA*

SKILLS:

- Kubernetes | Docker| ArgoCD | Git | GitHub | Jenkins | Terraform | Ansible | SonarQube | JFrog
- Tomcat | httpd | apache2 | nginx | IBM HTTP Server | WebLogic | WebSphere
- SSL Certificates | UNIX | SQL | Change Management | Incident Management
- AWS | EC2 | S3 | ALB | EKS | EBS | IAM| CloudWatch | CloudTrail | EFS
- Splunk | Grafana | Prometheus
- RHEL | Ubuntu | Fedora | CentOS | Amazon Linux | Solaris
- YAML | GO | Groovy | HCL | Bash | Vagrant

PERSONAL PROJECTS:

1. **E2E CICD Pipeline with Jenkins, Kubernetes, AgroCD using GitOps principles:**
   - Implemented CI/CD pipeline with **Jenkins, Maven, and SonarQube**, reducing time-to-deployment by 40% and improving code quality by 30%.
   - Defined pipeline using **Jenkinsfile** and custom **Shell Scripts**, cutting infrastructure costs by 25%.

- Enabled seamless deployment with **ArgoCD** and **Kubernetes**, reducing inconsistencies by 20%. Demonstrated expertise in end-to-end DevOps solutions, lowering post-deployment incidents by 25%.

2. **Deploying 2048 Game on Managed EKS Cluster with Fargate:**
   - Successfully deployed 2048 game on **Amazon EKS Cluster** with **AWS Fargate** for efficient container orchestration.
   - Purchased and configured a domain to provide users with a seamless experience when accessing the application.
   - Integrated **SSL certificates** into the **load balancer**, enhancing security for the deployed 2048 application.
   - Demonstrated proficiency in deploying scalable, secure, and user-friendly applications on **cloud infrastructure**.

3. **Streamlined CI/CD Workflows with Jenkins Shared Library:**
   - Developed and executed **Jenkins** Shared Library, optimizing **CI/CD** workflows for reusability.
   - Orchestrated seamless web application deployment, showcasing end-to-end DevOps proficiency.

CERTIFICATIONS:

- AWS Certified SysOps Administrator – Associate
- AWS Certified Cloud Practitioner
- Microsoft Certified: Azure DevOps Engineer Expert (AZ-400)
- Microsoft Certified: Azure Administrator Associate (AZ-104)
- Microsoft Certified: Azure Fundamentals (AZ-900)

LANGUAGES:

- Telugu
- English