VIJAYARAMA RAO SIRIGIRI

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CAREER ABSTRACT

DevOps Engineer with 4.5 years of experience in managing and optimizing cloud infrastructure on AWS. Certified in AWS and Terraform, with a strong focus on automating deployments, improving system reliability, and reducing costs. Skilled in Infrastructure as Code, CI/CD pipelines, and cloud security. Passionate about driving efficiency and innovation through automation.

EMPLOYMENT DETAILS

Senior Cloud Administrator at **ZS Associates India Pvt Ltd,** Pune – May 2022 to present.
Associate Cloud Engineer at **Engro Technologies Pvt Ltd**, Hyderabad – April 2021 to April 2022
Associate Cloud Engineer at **Zee Entertainment Enterprises Limited**, Hyderabad – Feb 2021 to April 2021
Trainee at **Hallmark Global Technologies**, Hyderabad – April 2019 to December 2019

TECHNICAL SKILLS

Operating Systems	Linux – CentOS, Ubuntu, RHEL and Windows.
Cloud Service provider	Amazon Web Services (AWS)
Version Control	Git
Containerization	Docker, Kubernetes
Infrastructure as Code (IaC)	Terraform, AWS CloudFormation
Continuous Integration/Continuous Deployment (CI/CD)	GitLab CI/CD, GitHub Actions, Bitbucket Pipelines, Jenkins, ArgoCD, Teamcity
Scripting Languages	Python, Bash
Monitoring and Logging	Prometheus, Grafana

PROJECTS HANDLED

Company: ZS Associates India Private Ltd.   **May 2022 to Present**
Role: Senior Cloud Administrator (DevOps)
Project: Cloud Center of Excellence (CCoE)

Description: The Cloud Center of Excellence at ZS is responsible for defining and implementing Cloud, CI/CD best practices to ensure secure, resilient, High available and enterprise-grade systems architecture for client-facing and delivery software solutions. The Cloud team, based in Evanston, Illinois, and Pune, India, is a collaborative and skilled group dedicated to driving innovation and excellence in cloud infrastructure and operations.

Roles & Responsibilities:

- Implemented a fully automated **CI/CD** pipeline for deploying containerized applications on AWS using **ECS**, using AWS Devloper tools like **CodePipeline.**
- Implemented a fully automated **CI/CD** pipeline for deploying containerized applications on AWS using **EKS**, **Helm**, and **ArgoCD**.
- Designed and deployed scalable and secure infrastructure using Infrastructure as Code (**IaC**) tools like **Terraform**.
- Provisioned and managed Kubernetes clusters on **AWS EKS** using **Terraform** and **Helm** for streamlined resource deployment.
- Configured Helm charts for packaging and versioning Kubernetes applications, ensuring **standardization** across environments.
- Automated build, test, and deployment pipelines using **TeamCity** and **ArgoCD** for **continuous integration** and **continuous delivery.**

- Integrated **Bitbucket** as the version control system and managed branches using **Git** best practices for better collaboration and code quality.

- Utilized Git and Bitbucket for version control, ensuring proper branching strategies and code reviews before merging changes.
- Automated code synchronization from Bitbucket to S3 using **TeamCity**, enhancing artifact management and availability.
- Implemented comprehensive monitoring and alerting using **Prometheus** and **Grafana** for real-time insights into infrastructure health and performance.
- Configured centralized logging for better observability and issue resolution across environments.
- Managed secrets and sensitive data using **AWS Secrets Manager** and **IAM roles** for secure access control.
- Ensured compliance with organizational security policies by automating infrastructure scanning and policy enforcement.
- Reduced manual efforts by automating repetitive tasks and infrastructure provisioning.
- Improved deployment efficiency and minimized downtime with automated rollbacks and blue-green deployments.

Keywords: AWS, Terraform, Docker, Kubernetes, Gitlab CI/CD, GitHub actions, AWS Developer Tools, Teamcity, Python Boto3, ECS and EKS

Company: Engro Technologies Pvt Ltd   **Feb 2021 to April 2022**
                    Zee Entertainment Enterprises Limited (ZEEL)
Role: Associate Cloud Engineer
Project: Weyyak OTT platform& Zee media.

Description: Weyyak is an OTT based application in the Middle East countries like Egypt and UAE to run on the cloud. CICD based deployment ensured minimal intervention and predictable release outcomes. They also wanted to enhance the user experience with metadata of the transcoded video allowing the users to access it in a hassle-free manner.

Roles & Responsibilities:
- Involved in drawing the Architecture diagrams and estimating the cost for entire project by selecting different configurations for AWS services in various stages like **QA, UAT** and **Prod.**
- Hosted a Static Web site using **AWS S3** and integrated with **Cloudfront** to serve content to traffic through cache from different edge locations.
- Hands on experience on AWS services like **EC2, VPC, S3, RDS, Load balancers, Autoscaling, ECS, CloudFront, CloudWatch, SNS, SQS, SES, ACM, Route53** and etc.
- Configured **VPC peering,** to communicate various AWS services between different VPCs.
- Responsible for creating **Amazon Machine Images (AMI)** that can be utilized while implementing the **Elastic load balancers (ELB)** and **Auto Scaling.**
- Experienced in branching, tagging and maintaining the Version Control Systems like **GIT, GitLab** and **GitHub.**
- Implemented Application Deployment using **AWS Elastic Beanstalk** to override infrastructure limitations and complexities.
- Automated the configuration of **ECS Fargate** clusters, services and tasks using **Terraform** and **GitLab CI/CD.**
- Hands on Experience with **Docker administration** and build **Docker images** by writing **Dockerfiles** various application deployments.
- Installed Docker, created **Dockerfile** to create containers and integrated Docker with **GitLab** to do build On Docker containers and to achieve continuous delivery goal on high scalable environments.
- Log Analysis, maintaining documents of production server error log's reports and Setup/Managing Databases on Amazon RDS. Monitoring servers through Amazon **CloudWatch, SNS.**
- Worked along with developer to send a mails and transactional messages from **SNS, SMS and SES** through **AWS network.**
- Implemented and maintained monitoring and alerting of productions servers and storage servers by using **CloudWatch.**
- Monitor Production Server Health of different parameters **(CPU Load, Physical Memory, Swap Memory, Hard disk, Http service and response time)** via CloudWatch Metrics.

Keywords: AWS, Terraform, Docker, ECS, Git, GitLab CI/CD and Jenkins, Grafana.

Company: Hallmark Global Technologies   **April 2019 to Dec 2019**
Role: Trainee
Project: E-commerce website

Description: Medbulla production Managing Three-tier Architecture (Web Server, Application Server & Database Server) Responding to Incidents tickets and resolving them within SLA and manages infrastructure deployed in 2 data centers in the US. We monitor and manage 24x7 hosts an application, which is in use 180+ countries in 30+ languages and monitor and manage more than 70 E-commerce sites.

Roles & Responsibilities:

- Strong knowledge on red hat Linux **(RHEL)** Administration.
- Managing **User and Group administration** like creating, modifying, deleting user accounts.
- Controlling access to the files with special permissions (**SUID, SGID,** & **StickyBit**) and **Access Control List (ACL).**
- Managing file permissions and file systems (ext4, xfs, SWAP and proc).
- Configuring, **LVM** and Managing the volumes, increasing, establishing in host.
- Process of taking Backup and Restore (**TAR** and **ZIP**).
- Software installations in Linux (**RPM, YUM** and **DNF**).
- Configuring **NFS** server for file & folder sharing between multiple Linux servers.
- Configuration & Administration of **SSH** and **FTP Server**.
- Audit Network Performance, Security, and Troubleshooting in Linux.
- Installation and configuration of various applications in **CentOS & Ubuntu** Linux environment.
- **Apache web server** installation, configuration.
- Monitoring servers thorough Amazon Cloud Watch, SNS. Taking snapshots monthly for backup purposes.

Keywords: Linux, AWS, Git, GitHub and Nagios.

CERTIFICATIONS

AWS Certified Solutions Architect - Associate (SAA) – **Validation Number:**0YRZ1BKLMF1E1E5N
HashiCorp Certified: Terraform Associate (002) certification. – Feb 2025

EDUCATION

Masters: Power Electronics **–** VNR Vignana Jyothi Institute of Engineering and Technology – 2018 – 8.57(CGPA)
Bachelors: Electrical& Electronics Engineering – JNTU Hyderabad – 2015 – 71.24%.
Intermediate: State Board of Intermediate, Hyderabad – 2011 – 88.0%.
SSC: State Board of Secondary School Education, Hyderabad – 2009 – 88.5%.

DECLARATION

I declare that the above-mentioned information is true to the best of my knowledge. I will furnish my original certificates when and as required.

Place:
Date:

(VIJAYARAMA RAO SIRIGIRI)