**DEVOPS ENGINEER**

**Srinivas**

Mobile: +919398029426

Email: srinivasmuggulla6@gmail.com

**Professional Summary: -**

* Skilled AWS Engineer with hands-on experience supporting, automating, and optimizing mission critical deployments in AWS, leveraging configuration management, CI/CD.
* Experience with PaaS (Platform as a Service), and **IaaS** (Infrastructure as a Service) solutions
* In Good knowledge of red hat Linux, AWS web services
* Skilled in monitoring servers using **AWS cloudwatch**
* Amazon Web Services (AWS) Administration: Design, implement, monitor and maintain AWS environment leveraging products such as EC2, S3, Auto Scaling, RDS, Cloud watch and other AWS services
* Ability to design high availability applications on AWS across availability zones and availability regions
* Linux Administration, includes the provisioning and maintenance of Linux servers in production and development environments
* Good knowledge on Private, Public and Hybrid cloud operations.
* High Availability concepts, monitoring, data backup
* Strong knowledge on builds an image with the help of building tool Maven
* Worked with **IAM** service creating new **IAM** users & groups, defining roles and policies and Identity providers.
* Knowledge on CI and CD Tools like Awspipeline, Jenkins
* Monitoring services and resources (Network performance, Server performance, Services performance)
* Scheduled users to perform High Performance Computing activities on the Linux cluster.
* Created users and groups and assigned them appropriate quotas and ACLs as per company requirement.
* Having a experience on eks services

**Technical Competencies:**

**AWS Cloud**: Amazon AWS Cloud, VPC, VPN, EC2, S3, EBS, IAM, Security Groups, Auto scaling, Load balancer, Route 53, CloudWatch, Storage, EKS, GCP

**Linux Servers:**  Red hat Linux7, Amazon Linux.

**Devops Tools:** Docker, Kubernetes, Maven, Jenkins, Terraform, Git

**PROFESSIONAL EXPERIENCE:**

* Worked as **AWS CLOUD SUPPORT ENGINEER** in Wipro Technologies (12/02/2018 – 21/12/2020)
* Worked as **Devops intern** in Ibex labs (22/12/2020 – 01/06/2020)
* Worked as **Devops Engineer** in Capgemini Technologies India (14/10/21 – 09/02/23)
* Working as **Devops Engineer** in Tata Consultancy Services (06/03/23 - Present).

# Project Name: Infrastructure Development Role: AWS Support Engineer

**Description:** One of Wipro’s applications is Helpline, a mission critical application which processes around 200,000 helpdesk tickets from employees each month. These tickets, which are routed to departments such as IT support, human resources, and facilities management, cover a wide variety of requests. Helpline also integrates with multiple corporate applications and IT systems. Wipro found the on-premise infrastructure supporting the Helpline application couldn’t deliver the performance, scalability, and availability it required.

**Responsibilities:**

* Configuring the LVM (Logical Volume Manager) and extended the logical volumes online.
* Install, update and upgrade the packages using with rpm and yum tools.
* Experience in applying security by using ACL operations, SUID, SGID, Sticky bit.
* Using SUDO to give root access to normal users.
* Scheduling the jobs using Crontab.
* Automating backups by shell for Linux to transfer data in S3 bucket ➢ Backup and restore the server data using gzip and tar.
* Patching for ec2 and sql instances and rebooting the servers
* Continuously Monitored the CloudWatch logs and alerts and troubleshooted the issues

# Project Name: The Jewish Museum Role: Junior Devops Engineer

**Description:** Located on New York City’s Museum Mile, the Jewish Museum is a museum at the intersection of art and Jewish culture for people of all backgrounds. Founded in 1904, the Museum was the first institution of its kind in the United States and one of the oldest Jewish museums in the world.

The Jewish Museum reached out to Ibex labs to support a cloud migration to AWS cloud from its traditional on-premises infrastructure in the company’s private data center which was running up significant maintenance and operational overheads. In addition to the full migration from on-premises to cloud infrastructure, Ibex labs was also able to highlight key areas of cost savings and propose strategies**.**

**Responsibilities:**

* Automated build and deployment using Jenkins to reduce human error and speed up production processes
* Built and deployed Docker containers to break up monolithic app into microservices, improving developer workflow, increasing scalability, and optimizing speed
* Actively manage, improve, and monitor cloud infrastructure on AWS, EC2, S3, and RDS, including patches, and scaling
* Identify key AWS storage options& Describe Amazon EBS
* Selecting the appropriate AWS service based on data, compute, database, or security requirements
* Identify the different AWS compute and networking options Describe an Amazon Virtual Private Cloud (VPC)
* Creating in Administration/Maintenance of Source Control Management Systems and version control tools such as GITHUB
* Creating an Amazon Simple, Storage Service (S3) bucket, Describe the security measures AWS provides

# Project Name: McDonald’s

**Role: Devops Engineer Responsibilities:**

* Responsible for deployment related tasks in non-production and production environment.
* Well versed with DevOps tools such as Atlassian bitbucket, Jenkins, Docker, Kubernetes, consul, Jira, confluence.
* As a team member in mcd, I deploy the microservices in Kubernetes and server-based applications in aws.
* Also familiar with the monitoring tools New Relic and service cafe tool for incidents ➢ I have also created documentation related to the usability of Kubernetes, Jenkins.
* I have created end to end pipeline to implement devops culture for our client.
* I have used GitHub for tracing and maintaining the code. Developed a pipeline which includes GitHub, build tool Maven, SonarQube for code analysis, Docker for containerising the application.
* Creating the lambda functions for deleting the DynamoDB older records
* I have implemented some resources by using the terraform scripts in prod and no-prod environments
* I have worked on manifest and helm files for deploying the applications into Kubernetes cluster

# Project Name: Data Analytics Tools

**Role: Devops Engineer Responsibilities:**

* Responsible for deployment related tasks in non-production and production environment.
* Well versed with DevOps tools such as Atlassian bitbucket, Jenkins, Docker, Kubernetes, consul, Jira, confluence.
* As team member I responsible for various devops activates like IAC, CICD, SCM and cloud operations.
* I have worked on creating the Infrastructure on AWS Cloud using the Terraform (IAC).
* I have prepared the IAM Policies, Roles for CI/CD, Terraform and EKS Operations.
* Worked on GitLab repo setup, restructure and cleanup activities and access related areas also.
* Built the CI/CD Pipelines on Gitlab for Terraform deployments to creating resources on AWS Cloud
* Worked on built the CI/CD Pipelines on Gitlab for SQL deployments on AWS Redshift Datawarehouse.
* Helped to team members to resolve devops related issues.

**Certifications:**

# • Terraform Assoicate - 001

**Academic Qualification:**

# • B. Tech in 2013-2017 from J.N.T. University. Hyderabad