MALLIKARJUNA S

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Location : Hyderabad (TS)

IT Experience : 5+ Years

SKILLS

AWS DEVOPS ENGINEER
&
MULESOFT DEVELOPER

AWS SERVICES

- Elastic Compute Cloud
- Simple Storage Service
- Identify And Access Management
- Command Line Interface
- Elastic Load Balancer
- Elastic BeanStalk
- Autoscaling
- Elastic Block Storage
- Virtual Private Cloud

OBJECTIVE

Design and Implement DevOps Practices At A Large Scale Using Open Source Tools To Achieve Faster Application Deployment Cycles And To Achieve High Up-Time Of Applications Using A Stabilized And Self-Healing Infrastructure

EXPERIENCESUMMARY

- I Have Total 5+ Years of Experience In IT Sector In Multiple Technologies
- Having Around 2 Years Of Experience As **MULESOFT** Developer.
- Having 3+ Years Of Relevant Experience Working In The **DevOps** Area, Working With Various **CI/CD** Implementations Involving Different Phases From Code Compilation To Deployment, Environment Management, And Maintenance.
- Hands-On Experience In Working On AWS Cloud Services IAM, VPC, EC2, S3, Elastic Block Storage, Elastic Load Balancer, And Elastic Beanstalk, AutoScalingGroups, SNS, Code Commit, Code Build, Code Pipeline.
- Solid Experience With Linux (Amazon Linux, Ubuntu) Operating Systems.
- Hand-On Experience On Infrastructure As A Code (IAAC) Terraform.
- Worked On A CI/CD Jenkins For Automating The Entire Application Deployment Life Cycle Process.
- Good Knowledge Of Creating Users And Restricting Permissions To The Jobs And Giving Access To The Respective Jobs By Customizing The Permissions In Jenkins.
- Good Knowledge Of Storing Artifacts In S3 Buckets By Enabling Versioning And Enabling S3 Bucket Cross Region Replication
- Good Knowledge Of Docker Like Managing Containers And Images And Establishing The Communication Between The Containers.
- Good Knowledge Of Configuration Management Tool Ansible.
- Good Knowledge Of Core Concepts In Ansible Such As Setup, Ad-Hoc Commands, Playbooks And Handlers.
- Good Knowledge Of Web Server Apache2, IIS And Databases Like RDS.
- Good Knowledge In Installing And Configuring K8S Master And K8S Nodes And Established Communication Between Them.
- Well Aware Of The Advantages, Architecture And Complete Workflow Of Kubernetes.

TECHNICAL TOOLS

- ❖ **Oparating System** - **Linux, Windows**
- ❖ **Cloud Techanology** - **AWS.**
- ❖ **Source Code ManagementTool** - **Git, GitHub, AWS CodeCommit**
- ❖ **Application/WebServer** - **Nginx, Apache, Tomcat**
- ❖ **BuildTool** - **Maven**
- ❖ **Infrastructure As A Code(IAAC)Tool** - **Terraform**
- ❖ **Configuration Managament Tool** - **Ansible**
- ❖ **CI/CD Tool** - **Jenkins**
- ❖ **Containerization Tool** - **Docker**
- ❖ **Monitoring Tool** - **Nagios**
- ❖ **Artifactory Service** - **Nexus**
- ❖ **Code Quality Service** - **SonarQube**

EXPERIENCE DETAILS

- ➤ Curently Woking As **Devops Enginner** In **TCS** Hyderabad From July-2020.

- ➤ I Worked As a **MuleSoft Developer** In **BYDINT IT SOLUTIONS**, Hyderabad From sept 2018- july 2020

Project 1:

Client: Halyard Health

Halyard Health Is A Healthcare In Alpharetta, Georgia, United States. This Is A Development, Enhancement, And Support Project That Allows Healthcare Providers To Create Better Applications By Integrating Automation Into Their Current Systems. This Helps Them Satisfy SLAs And Effectively Manage Resources. In Addition, Standardized Processes Make Sure That The Deployment Is Smooth And Features are Released Quickly.

Technical Tools: AWS Cloud, Git, SonarQube, Maven, Jenkins, Ansible, Nexus, Tomcat.

Roles & Responsibilities:

- ➤ Checking Alerts In Service Now For Any Pending/ Scheduled Tasks.
- ➤ Deploying End Product In Tomcat Web Application Server And Other Application Servers Before Production.
- ➤ Checking And Automating If The Servers Are Running Out Of Disk.
- ➤ Monitoring Of All The Services Running On The Servers.
- ➤ Integrated Many Tools With Jenkins Like Git, Maven, Nexus, Ansible, Sonar And Tomcat.

- Worked On Jenkins By Installing, Configuring And Maintaining Continuous integration (CI) And End-To-End Automation For All Builds And Deployments.
- Configured Many Scheduled Projects So That They Can Run Frequently Without The Manual Trigger.
- In Case Of Any New Project Setup, Creation Of New Jobs In Jenkins.
- Configuring Pre And Post-Build Actions In Jenkins As Per Project Requirements.
- Involved In Deploying Artifacts Like JAR, And WAR, Into Application Servers Apache Tomcat And Nexus.
- Used Ansible Vault To Secure Information Like Passwords And Secret Key Files.
- Making Configuration Changes On Servers Using Ansible.
- Writing Playbooks For Automating The Daily Tasks.
- Taking Backups Of Instances And Taking Backups Of Production Databases And Providing Them To Developers
- On Staging/ Testing Environments For Testing Of Any Issues.
- Pulling The Artifacts From The Nexus And Deploying Them To The Tomcat Server.
- Ensuring That Post Deployments Sanity Of Code Is Done And Correct Signoffs Are Given.
- Seeking The Approval From Business/QA/UAT And Security Sign Offs
- Creating Servers, AMI's, And Storage Blocks In S3 Taking Snapshots, VPC's, Subnets, Load Balancing, And Auto- Scaling In AWS.
- Administering Users, Groups, And Roles & Setting Up Policies By Using IAM And Also Creation Of VPC's, S3 Buckets And Ec2 Instances Automating Them Through Terraform.
- Manage And Configure AWS Services As Per The Business Needs (ELB, EC2, S3, IAM, and VPC)

Project 2:

Client: RBC – Canada

Agent/Customer Workspace Is A Complete Insurance Application Which Allows Agent And Customer With Their Respective Logins As A2C And D2C. A2C Is Agent To Customer Log In Where Exactly The Business Starts From Selecting A Prospect Till Carrier Distribute A Product And Policy Services. D2C Is Direct To Customer. Customer Can Log In Complete Product Related Info. Financial Needs Analysis, Risk Analysis, E-app And Policy Payment Services.

Technical Tools : AWS Cloud, Git, SonarQube, Maven, Jenkins, Docker, Ansible, Tomcat.

Roles & Responsibilities:

- Responsible For Branching And Merging Of Code In GIT.
- Automate The Build Process Using Jenkins And Maven.
- Implemented Continuous Integration Using Jenkins, GIT, And Scheduling Jobs With Poll SCM

- Used Jenkins To Create New Jobs, Manage Required Plug-In, Configure The Jobs Selecting Required Sourcecode Management Tool, Build Trigger, Build System And Post Build Actions, Schedule Automatic, Builds, Notifying The Build reports.
- Writing Ansible Playbooks And Creating Roles For Scalability And Reusability To Manage The Infrastructure.
- Using Ansible Configuration Management Tool To Automate Repetitive Tasks, Quickly Deploy Critical Applications And Proactively Manage Change.
- Creating Playbooks In Ansible For Configuration And Deployment Activities, Automating AWS Cloud Deployments Using Ansible.
- Creating Custom Docker images using Docker file.
- Deploying And Supporting Applications On Docker Containers.
- Managing Multiple Nodes For Docker Container High Availability.
- Using Docker Compose For Creating Multiple Containers In A Single Service.
- Involved In Jenkins On-demand Containerized Slaves For Builds On Linux And Windows Docker Hosts.
- Written Docker Files For Containerized Build Slaves For WebApp Deployments
- Deploying And Supporting Applications On Docker Containers. Creating Custom Docker Images Using Docker File. Knowledge Over Docker Networking,
- Used IAM To Create New Accounts, Roles And Groups.
- Taking Care Of Deployments Using Docker And Ansible.
- Involved In Deploying The Applications In QA, UAT And Production Environments.
- Kubernetes EKS Service Was Used To Orchestrate The Deployment, Scaling, And Management Of Docker.
- Provided Consistent Environment Using Kubernetes For Deployment Scaling And Load Balancing To The Application From Dev Through Production.

DATE :
TIME :

(S.Mallikarjuna Rao)