Siva Kumar
SRE & Cloud DevOps

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Summary:

With 5.5+ years of specialized experience in **SRE & Cloud DevOps** Engineer professional with a passion for automation, infrastructure provisioning, deployment, monitoring, configuration management pipelines CI/CD and infrastructure automation. Proficient in a diverse range of tools and technologies spanning, deployment software development, and operations. Skilled in AWS, Docker, Kubernetes, Jenkins, System administration, version control, continuous integration & delivery, infrastructure monitoring, and configuration management.

- ❖ Extensively worked on **SDLC** in the **agile** scrum model Jira, CyberART in **Cloud & DevOps** requirement-based projects
- ❖ As a **Build & Relea**se Engineer to implementing Continuous Software Integration & Deployment Automation **(CI/CD)** pipelines, ensuring seamless & efficient software delivery across various domains & OEMs.
- ❖ Strong Experience in branching, merging, staging, tagging and maintaining the version control tools like **GIT, Bit Bucket, RTC** and GitHub across the SCM environment
- ❖ Proficient in automating the build and release life-cycle using **Jenkins** CI/CD pipeline Maser/Slave architecture with declarative pipelines using groovy & shell with Jenkins files
- ❖ Experience using **MAVEN, ANT** build tools for building jar, war files from source code to **Nexus**, **Jfrog antifactory**
- ❖ Strong in Docker installation, creating files, images, running containers, network with different applications and docker registry to store images in Docker Hub & deploying stack of applications as a containers
- ❖ Strong hands in **OS Linux, Ubuntu, Windows**, **Cloud** and **DevOps** tools build the environments
- ❖ Experience with IAAS, PAAS, SAAS, services in AWS & Azure
- ❖ Creating manifest file in **Kubernetes** (K8s) like Pod, Deployment, Replica set, Service, Labels, Deamon set, selectors, services, ingress controller for load balancing to maintain cluster & nodes
- ❖ Strong in **AWS** cloud to create & maintain services like EC2, VPC, Security groups (SG), NACL, Networking, VPC peering, route-53, Security, MySQL databases
- ❖ **AWS S3, IAM, SNS, SQS, KMS, DynamoDB, CloudWatch, Cloud trail, RDS, ELB, EKS, EBS, ECR** services to run the environments
- ❖ Experience in AMI for **Auto Scaling, Application & Network Load Balancer** to maintain the loan across environment to scaleup & scale down the application & services
- ❖ Good in monitoring cloud watch & cloud trail logs reports & **Prometheus, Grafa**na dashboards for **Docker & Kubernetes** environments for containers, pods, services, memory usage for applications
- ❖ **SPOC** for Customer interface, leading daily **scrum** in release management & time management
- ❖ Strong in **communication & problem-solving** skills to collaborate with different teams and clients
- ❖ Expertise in troubleshooting problems while building, deploying in Production, QA, DEV, Test environments to resolve the issues based on priority
- ❖ **SPOC** for customer interface & team members, leading daily scrum in build & release management to release the software delivery to customers
- ❖ Good in **documenting & design** the configurations procedures, and best practices for knowledge sharing information for future reference

Technical Skills:

Operating Systems	:	Linux, Ubuntu, Windows
Version Control Tools	:	Git, GitHub, Bitbucket, RTC
Build Tools	:	Maven, Ant
Artifact Repositories	:	Nexus
Continuous Integration Tools	:	Jenkins
Continuous Code Analysis	:	SonarQube
Cloud Services	:	AWS, Azure
Operating System	:	Windows, RedHat Linux, Ubuntu
Scripting	:	Shell Script, Python, Terraform
Atlassian Tools	:	Jira, RTC
Database	:	Influx DB, MySQL
Monitoring Tools	:	CloudWatch, Splunk, Prometheus, Grafana

Academic Profile:

- ❖ Master's in Business Administration (MBA) at Adikavi Nannaya University Rajahmundry in 2020
- ❖ B.Sc. Computers at Adikavi Nannaya University Rajahmundry in Feb-2018

Professional Experience:

- ❖ Working in Mother-Son Technology Services Limited, Bengaluru from Sep 2021 to till now
- ❖ Worked in Cognizant Technology Services Limited, Bengaluru from Sep 18 to Sep 2021

Projects: 2
Position   :   Software Engineer
Role   :   DevOps & SRE Engineer
Project   :   Instrument Cluster projects - Audi, FCA, PAG, VAG

Roles & Responsibilities:

- ❖ Implemented & maintained the branching, tagging & build/release strategies using SCM tool like GIT & RTC and build tool maven and code quality plus security vulnerabilities using SonarQube
- ❖ Variants handling with Repositories, Branching in all VAG, PAG, FCA projects variants & models
- ❖ Responsible for product deployments into PROD, Pre-prod, Dev, QA, Test environments
- ❖ Configured & maintained monitoring, alerting, event logging with Datadog, Prometheus & ELK.
- ❖ Handling all the Infrastructure activities like installing packages, Clearing the caches, networking, troubleshooting
- ❖ Creating pods, deployments, replicas, config map, volumes, services and deployment by using Kubernetes & AWS EKS to deploy the configurations
- ❖ Creating AWS services EC2, security groups, VPC, subnets, IGW, IAM roles, with terraform and maintains the infrastructure monitoring through cloud watch & Splunk, data dog
- ❖ Responsible for Jenkins plugin management, user management, Build/Deploy Pipeline Setup, and End-End Job Setup of all the projects
- ❖ Created Jenkins pipeline for automation continuous builds to created & run docker images and push into docker hub private repository's and run the containers and monitoring

Project: 1
Position   :   Engineer, L1/L2 Engineer
Role   :   Cloud & DevOps Engineer
Project   :   Advice Vision project - Advice America Inc, USA

Roles & Responsibilities:

❖ Maintained build & deployment procedures resolved configuration management issues, created Branches for each release for environment, making baselines and merging of branches using GIT
❖ Used Maven and AWS-Code build as build tools to generate JAR, WAR and configured in Jenkins and ECS to move files from one environment to another
❖ In AWS cloud I have created the Subscriptions, Resource Groups, Virtual Networks, Subnets, Network Security Groups, VM's, Storage account, Application gateway
❖ Planning and Implementation of VM`s and Databases on AWS Public cloud like MySQL Database
❖ Securing the VM's in the Inbound and Outbound Rules using IP address. Changing the IP from one to another VM, Cost optimization by downgrading the CPU's and RAM
❖ Monitoring CPU utilization, JVM memory utilization, finding process id with port number and resolving port conflicts using various Linux commands
❖ Creating the SonarQube Quality gates and with respective code-coverage and configuring with Code-build, excluding the file, creating sonar properties file, and exporting the reports to SonarQube.
❖ Strong in communication & problem-solving skills to collaborate with different teams and clients Installation & configuration of Jenkins to support various Java builds and Jenkins plugins to automate continuous builds and publishing Docker images to Docker-Hub repository
❖ Deployed application packages on to docker containers & coordinated with software development teams QA, Test teams for smoother execution of the processes

Personal Details:
Date of Birth   :   April 26, 1995
Marital Status   :   Single
Nationality   :   Indian
Language   :   English, Telugu, Tamil
Hobbies   :   Tech-Savvy, traveling, eco-farming