**Name: Sai Kumar Reddy E- Mail:** saireddysomala720@gmail.com

**DevOps / AWS Engineer Mobile: +91 9160355402**

**Carrier Objectivities:**

To work in a challenging and innovative environment where in I can use experience and

Potentials that I have to achieve organization’s goals and create mutual benefits.

**Carrier Contour**:

* **Working as a Sysops Engineer in Cognos IT Solutions at Hyderabad from NOV 2017 to till date.**

**Professional Profile:**

* Around 3 years of experience in Linux and Automating, Configuring and Deploying Instances in the areas of Data Center Operations, DevOps Tools, Cloud Computing and Software Configuration Management (SCM).
* Core Skills on AWS, DevOps.
* DevOps experience with Maven, GIT, Jenkins, Ansible, and Docker. Knowledge on Kubernetes orchestration.
* Experience with Amazon AWS Cloud Administration which includes services like: VPC, Security Groups, IAM, EC2, AMI, Snapshots, ELB, Auto Scaling, EBS, S3, Glacier, CloudWatch, EFS, Route 53
* Experience in branching, tagging and maintaining the version across the environments working on Software Configuration Management (SCM) tools like GIT.
* Experience in deploying the code through web and Application servers like Apache Tomcat.
* Extensively worked on Jenkins by installing, configuring and maintaining for the purpose of continuous integration (CI) and for End to End automation for all build and deployments..
* Experience in the implementation of Docker Image files and Docker Composers to orchestrate the Docker container.
* Spinning up instances on AWS and configure it to serve the purpose of project. Automate the deployments on these instances using Chef and Ansible.
* Implemented Infrastructure automation through Ansible for auto provisioning, code deployments, software installation and configuration updates
* Good Knowledge in the implementation of Shell Scripts to automate the CI & CD process.
* Hands on experience in delivering container-based deployments using Docker.
* Good Hands on Linux Operating Systems.
* Working on Linux servers.
* Configuring Security Level and Share Level Permissions.
* Full understandings of UNIX file systems, boot processes.
* Taking the backup and restoring the mbrs and boot loaders by using dd utility.
* Automation of jobs using at &cron scheduler.
* User Account management – Users and Group creation and Customization.
* Monitoring disk status, system processes, user process activity, memory activity, network, Memory and Swap Space management
* Taking backup and restoring by using tar.
* Setting up file, folder permission using ACL, SUID, GUID and Sticky bit.
* Closely worked with Developers and Analysts to address project requirements. Able to effectively manage time and prioritize multiple projects
* **Technical Skills:**

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| --- | --- |
| Programming and Scripting Languages | Shell, Python |
| DevOps and Configuration Management Tools | Ansible, Puppet, Docker. |
| Version Control Tools | GIT with Git Hub |
| Operating Systems | Windows (7&10), Linux (redhat6 & 7) |
| Build Management Tools | Maven |
| Continuous Integration Tools | Jenkins |
| Cloud Tool | AWS (EC2, VPC, ECS, EFS, Cloud watch and S3) |
| Web/Application Servers | Apache Tomcat, HTTP Server. |
| Bug Reporting Tools | JIRA |

* **Roles & Responsibilities:**
* Support the engineering teams regarding CI/Build tools, Environments and Automation.
* Involved in day-to-day maintenance of servers and troubleshooting in the infrastructure side.
* Involved in Branching, Tagging and Merging of code delivery at required releases.
* Help Development teams automate the environment setup using tools like Ansible/Puppet.
* Setup and maintain cloud-based infrastructure (AWS).
* Design AWS infrastructure based on the application requirements.
* Experience in the implementation of pipelines using AWS services using Code Commit, Code deploy, Code pipeline.
* Creating architecture on AWS, document the design and provisioning the infrastructure on AWS
* Design AWS infrastructure based on the application requirements
* Design and implemented Security using VPC, IAM, Security Groups and NACL
* Created Multifactor Authentication for AWS Users in the organizations
* Ensure appropriate redundancy and fall backs in all server environments.
* Troubleshoot and resolve issues related to application deployment and operations
* Working with cross functional, geographically distributed team to provide 24X7 deployment support across multiple environments
* Involved in designing and deploying a multitude application utilizing almost all of the AWS stack (Including EC2, Route53, S3, RDS, Dynamo DB, IAM, Code Commit, Code Deploy, Code Pipeline) focusing on high-availability, fault tolerance, and auto-scaling.
* Maintaining Version Control repositories like GIT and GIT HUB. Involving in all VCR activities like Branching, Cloning, PUSH and stash etc
* Gather customer requirements and translate the application requirements to provide AWS solutions.
* Experience in the implementation of pipelines using AWS services using Code Commit, Code deploy, Code pipeline.
* Creating architecture on AWS, document the design and provisioning the infrastructure on AWS
* Design AWS infrastructure based on the application requirements
* Implementation of Docker Image files and Docker Composers to orchestrate the Docker container.
* Written Ansible Modules to automate our build/deployment process and do an overall process improvement to any manual processes.
* Setup and Configure the continuous build system using Jenkins and running automation smoke / nightly test suites.
* SAMBA file server installation and configuration.
* Password Less login using ssh.
* User Account management – Users and Group creation and Customization
* Monitoring disk status, system processes, user process activity, memory activity, network, Memory and Swap Space management
* Taking backup and restoring by using tar.
* Setting up file, folder permission using ACL, SUID, GUID and Sticky bit
* Limiting disk usage for users and groups by implementing DISK QUOTA
* Device management and configuration of LINUX system.
* Working on Linux Environment and Operating Linux Units.

**Declaration:**

# I hereby declare that information furnished above is true and best of my knowledge.

Date:

Place: (**S. Sai Kumar Reddy)**