# SatyaKiran N

# Phone: +91-9948263973

[**Email:**](mailto:arunreddy2211@rediffmail.com) **kiran.satya450@gmail.com**

# Career Objective:

AWS/DevOps Engineer over 4+ years of professional Experience dedicated to automation and optimization. Understands and manages the space between operations and development to quickly deliver code to customers. Having strong experience with Cloud, as well as DevOps automation development for Linux systems. Seeking a position in Cloud DevOps to contribute my technical Skills

# Professional Summary:

* 4+ years of experience in planning, designing, implementation in areas of AWS cloud, DevOps, Windows and Linux.
* Responsible for designing and implementing cloud-based solutions for public cloud deployment models.
* Worked in EC2, S3, ELB, RDS, Route 53, Cloud watch, IAM & Roles, EKS, ECR, Auto scaling etc.
* Design highly available, cost effective and fault tolerant systems using multiple EC2 instances, Auto Scaling, Elastic Load Balance and AMIs.
* Migration of Existing Application to AWS cloud.
* Worked at optimizing volumes and EC2 instances and created VPC network.
* Building Customized AWS IAM policies based on the user requirements.
* Establishing connectivity to AWS Resources in another VPC in another region using AWS VPC Peering.
* Used Amazon RDS to manage, create snapshots, and automate backup of database.
* Installing configuration and maintenance of Web servers (apache), App Servers (Tomcat).
* Experience in using Version Control Tool Git, Application Deployment & Environment configuration using Ansible.
* Experience with Docker and Vagrant for different infrastructure setup and testing of code for Dev, QA environment
* Extensive experience using Maven and Ant as a Build Tool for the building of deployable artifacts (war & jar) from source code.
* Experience with Continuous Integration and Continuous Deployment methodologies using Jenkins.

# Technical Skills:

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| Automation tools | Ansible |
| Cloud (Iaas) | AWS |
| Operating System | Linux, Windows |
| Web Server | Apache, Nginx, Haproxy |
| Version Control | GitHub, Bitbucket |
| Build Tools | Ant, Maven & Gradle |
| CI/CD Tools | Jenkins |
| Application Server | Apache Tomcat, Web Sphere |

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| Containerization | Docker, Vagrant |
| Orchestration | Kubernetes |
| Scripting Languages | Shell scripting |

# Client Name: KSB Tech Pvt. Ltd

# Role: Cloud DevOps Engineer

**Duration: Feb 2018 – Till Date**

# Responsibilities:

* Experienced in designing roles and groups for users and resources using AWS Identity Access Management (IAM).
* Used security groups, IAM roles, load balancers, Monitored EC2 instances with Cloud Watch.
* Used DNS management in Route53, Amazon S3 to backup database instances to save snapshots of data.
* Creating NAT and Proxy instances in AWS and manage route tables, EIP’s
* Involved in designing highly available, cost effective and fault tolerant systems using multiple EC2 instances, Auto Scaling, Elastic Load Balancer and AMIs.
* Provided highly durable and available data by using S3 data store, Versioning, Life Cycle Policies and created AMIs.
* Install and configure Apache Tomcat on Red hat Linux, Ubuntu and Amazon Linux instances.
* Written Ansible Playbooks for installing operating systems, installing Software, web applications in AWS EC2 instances.
* Troubleshooting communication issues with Ansible client nodes and servers.
* Expertise in writing playbooks to automate infrastructure creation, configuration and operation changes with help of modules in playbooks. And orchestrate the services across the Nodes.

Expertise in writing ad-hoc commands, playbooks and creating Roles for Scalability and Reusability in Ansible.

* Configured and managed plugins in Jenkins server.
* Worked on Docker container snapshots, attaching to a running container, removing images, managing directory structures and managing containers.
* Experience working on several Docker components like Docker Engine, Hub, Machine, Compose and Docker Registry.
* Experience working on docker hub, creating docker images and handling multiple images primarily for middleware installations and domain configurations.
* Leveraged Groovy script interface to automate the job creation process for different releases.
* Worked with Docker for convenient environment setup for development, testing and deploying for Jenkins build jobs.
* Used GitHub repository to run Jenkins job for Continuous Integration.
* Hands on expertise to setup, configure continuous integration processes using Jenkins and integrate the tool with Maven, Git.
* Worked on Maven creating artifacts through source code and internal deployment in JFOG repository.
* Used Kubernetes to manage containers in DEV environment. Still in testing/learning phase.
* Installed & Configured the centralizing logging EFK Stack for Kubernetes cluster.
* Installed & configured the Nginx Ingress controller in Elastic Kubernetes Service.
* Worked on CICD pipeline and deployed the application using Kubernetes helm chart
* Virtualized the servers using the Docker for the test environments and dev-environments and configured automation using Docker containers.
* Configuring the Docker containers and creating docker files for different environments.
* Installed and configured Nagios monitoring tool, while using it for monitoring network services and backend host resources.

**Environment:**

AWS, Git, GitHub, Jenkins, Ansible, Maven, Docker, JFROG, Kubernetes, Helm Charts.

# Client Name: Rean Cloud

# Role : Linux System Administrator

**Duration: Aug 2017 – Jan 2018**

# Responsibilities:

* Provided Level-1, Level-2 OS administration support over 12+ clients in shared service model.
* Handled Incident, Change, Problem and Service request as part for regular BAU operations.
* Analyzing and monitoring the existing infrastructure for efficiency and effectiveness including server performance, activity, system CPU, memory and disk space.
* Servers build, OS hardening and deploy the virtual servers as per client requirements.
* Configuring LVMs using local and network shared storages. Create, add and remove physical Volumes, Volume Groups and Logical Volume.
* Software package installation and Patch management - To keep the Kernel updated with the latest patch to increase the server efficiency and performance.
* Setting up password less authentications from a remote server to multiple servers for the ease of access management.
* Working knowledge of NFS, Samba, FTP, RSYNC etc.
* Written shell scripts to automate routine jobs.
* Worked on patching activity for application servers by closely working with Application team
* Improving system security by limiting users using unjustified root access.
* Expertise on Creating virtual machines, installing operating systems inside VM’s and installing tools and configure these VM’s based on customer requirements.

# Educational Background:

Bachelor’s degree (B.TECH), in Electronics and Communication Engineering from Geetanjali College of Engineering affiliated to Jawaharlal Nehru Technology University Hyderabad.

**Declaration:**

I hereby declare that the above information is true to the best of my knowledge

**(SatyaKiran N)**