 **Sandeep**

**Cloud and DevOps Engineer**

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About:**

Over 6.5+ years of substantial IT experience with expertise in **AWS cloud** services, **DevOps**, Linux Administration, Cloud Infrastructure and Automation.

* Experience in Linux administration.
* Experience in Infrastructure Development and Operations involving AWS Cloud platforms, **EC2**, **EBS**, **S3,** **ELB** and **Cloudwatch**.
* Experienced with **AWS VPC** systems administration and security; making subnets, set up peering, **EC2, VPCs** and AWS organizing parts.
* Hand on experience with Docker and build Docker images by writing Docker files for various applications deployments.
* Expertise in DevOps tools like **Git, Jenkins, Ansible, Nagios, Sensu** and **Docker**.
* Expertise in managing Amazon instances by taking AMIs and performing administration and monitoring of Amazon instances using Amazon Cloud Watch.
* Experience in Managing deployment, maintenance, support and upgrade of servers, hardware, software, operating systems in Server Environment.
* Good understanding of **Ansible**, for configuring and managing computers, combining multi-node software deployment, ad hoc task execution, and configuration management.
* Experience in Monitoring teams to identify and troubleshoot issues on servers using tools like **Nagios**, Sensu and **Prometheus**.
* Experience in analyzing and improving performance and fixing operational problems.
* Experience in Attending client calls and gathered the requirement and implement with proper plan.

**Technical Proficiency:**

CloudPlatform AWS.

CM Tools Ansible

Version Control Tools Git, GitHub and Bitbucket

CI Tools Jenkins

Container Tools Docker

Ticketing Tools Jira and Service now

Orchestration Tools Kubernetes and Mesos marathon

Monitoring Tools Nagios, AppDynamics, Prometheus and Grafana   
Scripting/Programming Shell scripting (Bash)   
Platforms Linux, Windows and Mac  
  
**Project details:**  
**1) Wipro Technologies** Dec-2018 to till date

**Client**: Cisco (CX portal)

**Role**: DevOps Support Engineer

**Environment**:   
Git, Docker, Ansible, Kubernetes, AWS (EC2, VPC, IAM, EKS, Cloud Front, SNS, Cloud watch, S3, ELB and EBS ), Linux, Nagios and AppDynamics.

**Description**: CP (Customer Portal) is a Cisco Application used by the cisco customers to check the details about their contract with cisco and upload details. This application processes the device data in the form of upload and make it available at cisco. As of now these applications are hosted on VM’s on on-premise. We moved all the application environment to containerization and cloud.

**Responsibilities:**

• Environment setup and writing Jenkins jobs and pipelines.

• Containerized the applications using Docker file

• Worked on EKS for Kubernetes on cloud.

• Writing ansible playbooks to pull the containers from the antifactory and deploy it in respective environments.

• Responsible for writing the Kubernetes objects.

* Responsible for 24/7 end to end infrastructure health monitoring.
* Support includes monitoring, finding issue, debugging and troubleshooting the issue, finding rca for the same, involving application related teams to find the bug.

**2) Innominds Software Pvt. Ltd.** April 2016 to Nov 2018  
**Client**: Samsung   
**Role**: Cloud and DevOps Engineer

**Environment:** AWS, Git, Jenkins, MYSQL, Nginx, Prometheus, Docker, Ansible and ELK.  
 **Responsibilities:**

* Performing end-to-end deployments for different applications in all the stacks (DEV, QA, PROD)
* Providing Infra Related Support to developers and track the issue through Jira
* Creating/terminating instances based on requirements and deploy Docker container on that.
* Working with Jenkins build (creating/deploying/maintaining/resolving) to support all requests.
* Working with Dockers, Git, AWS, Linux, Jenkins, MySQL as part of OPS related tasks.
* Launching Amazon instances by using customized AMIs, performing administration and monitoring using Amazon Cloud Watch.
* Working in Managing deployment, maintenance, support and upgrade of servers, hardware, software, operating systems in Server Environment.
* Expertise in using Linux servers and Configuration Management tools like Ansible.
* Create Docker files to deploy application and build it through image.
* Create Ansible playbooks based on requirement.
* Working with Jira to track issues and create ticket to track issue and also working with Atlassian to make documents for reference.
* Creating Document to track all issues for future reference.
* Automating backups by shell for Linux to transfer data in S3 bucket.
* Experienced in Logstash, Kibana and Elastic search.

**3) Auropro Software Systems** Dec 2013 to April 2016  
 **Environment:** Linux, VMware, Nagios, Nginx, Shell scripting.  
 **Role**: Linux Administrator  
 **Responsibilities:**

* Installing, configuring and managing the RedHat Linux 5&6 in both physical and virtual servers.
* Installing, Managing and upgrading patches and packages.
* Configuring the private repository for accessing the packages with YUM.
* Experience on file system and disk management and managing disk quotas.
* Creating and managing user accounts, groups and access levels using SUDO.
* Managing the problems associated with boot process.
* Changing File Permissions as per the client request.
* Troubleshooting hardware and software failures on Linux
* Configuring the LVMs and adding the additional disk space as and when required.
* Managing NFS in client-server architecture with Auto mount feature.
* Scheduling/Controlling of jobs using cron.
* Implementing ACL’s& special file permissions for security purpose.
* Troubleshooting of network connectivity problems and day-to-day system issues
* Handled Software / Hardware installations and system maintenance
* Manage and Maintain the physical hardware and virtual environment / infrastructure of the Energy & Utilities group using Virtual Center Server v5.0 with a mixture of ESXi 5 & ESX 3.5 hosts, consisting of seven physical hosts with 150 – 200 virtual machines. Built the v5.0 vCenter Server and moved / migrated hosts over from the previous v3.5 Virtual Center Server, created server type templates for the streamlining of the server deployments with 3rd party and ARM specific software / applications. Manage the host resources \ virtual machine resource allocation (CPU, memory, hard disk, etc) and perform routine maintenance on this environment (schedule downtime for patches, updates & upgrades).
* Work with VMware Infrastructure Client in supporting our Windows 2008 & 20012, Linux Enterprise 5 Server environment.
* Test Analyst and the preparing (installation, setup & configuration) of testing scenarios to help with customer problem resolution.

**Academic Qualification:**

* B. Tech (ECE) from JNTU passed out in 2013 with 63%.