**Sumit Kumar Yadava**

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**Professional Summary:**

* Having Total 9+ years of experience**, Relevant 3.1 years of Experience in (Docker Kubernetes)** Linux, Git, GitHub, Jenkins, Maven, Docker, Kubernetes, Terraform, SonarQube, AWS, Ansible, Prometheus and Grafana.
* Managed Docker containerization using Kubernetes.
* Used Kubernetes to orchestrate the deployment, scaling and management of Docker Containers
* Good understanding of **Kubernetes manager** components like **API Server, etcd, Scheduler, Kubernetes Controller.**
* Good understanding of K8S master node components like kube-api server, kube-scheduler store which forms control plane.
* Created Clusters using Kubernetes and worked on creating many pods, daemonSets, replicaSets, services, deployments by writing the manifest files.
* Experience in Kubernetes to deploy, scale, load balance and manage Docker containers
* Experience in using open Docker images and build custom Docker images based on application requirement.
* Experience in using open Docker images and build custom **Docker images** based on application requirement.
* Good experience of Writing **Compose files** to deploy multiple containers.
* Involved in Creating containers and managing them in both production and nonproduction environments.
* Worked on **Jenkins** by installing, configuring and maintaining for the purpose of continuous integration (CI) and for End-to-End automation for build and deployments.
* Deploying the **JAR/ WAR files** in Tomcat app server and Verify Deployment logs to check for successful deployments
* Implemented **CI/CD Process** with **Jenkins** to have automation of Continues Integration, Continues Delivery and Continues Deployment.
* Hands on experience in using **Maven** for Build Process.
* Involved in Creating **containers** and managing them in both production and nonproduction environments.
* Experience in working on **AWS** and its services like **AWS IAM, VPC, EC2, S3, ELB, Auto Scaling**, **Route 53, Cloud Watch,** EBS Volumes and Snapshots, AMI's, Security Groups, Elastic IP’s.
* Expertise in working with **Terraform** key features such as Infrastructure as a code, Execution plans, Resource Graphs, change automation and extensively used Auto scaling launch configuration templates for launching amazon EC2 instances while deploying microservices.
* Experience troubleshooting apps across different network segments.
* Implemented cluster services using Kubernetes and Docker to manage local deployments in Kubernetes by building a self- hosted Kubernetes cluster using Terraform and Ansible and deploying application containers
* Managing Servers and Providing IT Support Worked as **System Administrator** and plays significant role in fulfilling needs of ever-expanding organization by providing **scalable, robust**, and **securable IT infrastructure.**
* Experience on working with Cisco Vendor and Cisco Hardware, Related to any DIMM issue, FAN module issue, PSU issue Blade Firmware upgrade. UCSM upgrade etc.
* vCenter patching, ESXi host patching, vCenter upgrade, ESXi host upgrade
* Providing **IT support** for **servers, systems, and end-users**.
* Providing SUDO access for the users.
* Mount/Unmount and making changes permanent.
* New installation, upgrades/patches, troubleshooting, and maintenance of Linux
* Working on CPU/Memory/Disk utilization Incidents for Windows /Linux servers.
* Handling Incidents, Changes, Service Request and Problems as per the ITIL standard.
* Performing monthly and quarterly patching using MECM server as per the schedule.
* Performing the pre checks and post checks for the Patching activity.
* Presenting the changes in CAB call and performing as per the schedule.
* Deploying and installing the application packages on the required servers through MECM.
* Building and provisioning the new windows/Linux servers as per the process.
* Decommissioning the Old windows servers as per the decommission process.
* Configuring and managing the DNS records.
* Maintaining 100% SLA by resolving the Incidents Day to day.
* Strong knowledge on Incident Management, Change Management and Problem management.

**Work Experience:**

* Working as a **Consultant** for **Infosys** from **11th** **July 2022 to till date**.
* Worked as a **System Administration analyst** at **NTT Data GDS** from **November 2019 to 8th July 2022**.
* Worked as a **IT Support Specialist** for **McAfee Software India Pvt. Ltd**, from **November 2017 to 30th October 2019.**
* Worked as a **Technical Support Engineer** for **Flat World Solutions Pvt. Ltd**, from **November 2015 to November 2017.**
* Worked as a **Technical Support Engineer** for **Wipro InfoTech**, from **July 2010 to February 2011.**

**Education Qualification:**

* Completed my **B.E** in **Information Science & Engineering** from **SJBIT** **Bangalore in 2015**.

**Technical Skills:**

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| --- | --- |
| **Configuration Management** | ANSIBLE, Terraform |
| **Release Management Tools** | Jenkins. |
| **Containerization** | Docker, Kubernetes |
| **SCM** | GIT |
| **Build Tools** | Maven, Jenkins |
| **Web/App Servers** | Tomcat, APACHE |
| **Monitoring Tools** | AppDynamics, CloudWatch, Moogsoft, HP BSM, BSM Truesight |
| **Operating Systems, Virtualization & H/W** | Windows, Linux, VMware, Cisco, Dell |
| **cloud** | AWS |
| **Scripting** | Shell Scripting, YAML, Groovy |

**Projects Summary:**

**Project:5**

Company : **Infosys Ltd.**

Client : Citizens Bank

Role : Consultant

Environment : Git, Ansible, Jenkins, Shell Scripting, Kubernetes, Docker, VMware, SRM

**Roles & Responsibilities:**

* Experience on working with Cisco Vendor and Cisco Hardware, Related to any DIMM issue, FAN module issue, PSU issue Blade Firmware upgrade. UCSM upgrade etc.
* vCenter patching, ESXi host patching
* Installing and configuring GIT, and ANSIBLE.
* Maintaining the source code in GITHUB.
* Configuring the Docker containers and creating docker files for different environments and worked on Kubernetes for database clusters.
* Implemented CI/CD using Jenkins, Docker & Kubernetes.
* Downloaded/installed Docker images from Docker hub using Docker pull down Professional summary for Docker.
* Writing ANSIBLE playbooks for Automation.
* Experience in use of, management of and creation of Ansible Playbooks or similar orchestration framework.
* Wide use of Docker & Kubernetes to orchestrate containers.
* Analysing application logs to determine the possible cause of issues and reporting errors directly to the Dev team.
* Maintaining Docker images in the registry and Responsible for creating Kubernetes manifest files like daemon sets, replica sets, deployments.

**Project:4**

Company : **NTT Data GDS**

Client : National Life Group

Role : System Administration Analyst

Environment : Jenkins, Docker, ANSIBLE, Maven, GIT

**Roles & Responsibilities:**

* Installing and configuring GIT, Jenkins, and Deployment automation.
* Maintaining the source code in GITHUB for various applications.
* Created the Branching Strategy for the parallel development.
* Creating Docker files to build the custom Docker images.
* Implemented CI/CD using Jenkins, Docker & Kubernetes.
* Automating the Build process by writing different scripts
* To configure and maintain codebase to support the build and deployment of code on servers.
* Used terraform to write Infrastructure as code and created Terraform scripts for EC2 instances, Elastic Load balancers and S3 bucket
* Administered merge, build and deployment of the codes to all the environments.
* Develop and enhance current tool to suite ongoing need to support the build and configuration of releases of all product team.
* Downloaded/installed Docker images from Docker hub using Docker pull down Professional summary for Docker.
* Responsible for creating Kubernetes manifest files like daemon sets, replica sets, deployments.
* Experience in Kubernetes cluster setup and deploying applications in Kubernetes cluster.
* Created alerts & monitoring dashboards using Prometheus & Grafana for all microservices deployed in AWS
* Responsible for setting up the environment for new developers on their machines.
* Established infrastructure and service monitoring using Prometheus and Grafana.
* Building the source code using GITHUB and Jenkins.
* Build and deployment scripts according to SCM team standards and processes to QA, Performance and Production Environments.
* Configuring the Docker containers and creating docker files for different environments and worked on docker swarm.
* If newly on boarding project comes, we are only taking care of entire end to end process and installing all the DevOps tools from the scratch and setting up the DevOps environment.
* Mainly we have installed these DevOps tools in Linux Operating System, So I am very good in Linux commands and written some shell scripts to automate daily jobs like to check health of servers and taking backup of Jenkins.
* Scheduled various regular and periodic tasks by using crontab.

**Project:3**

Company : **McAfee Software India Pvt. Ltd**

Role : **IT Support Specialist**

Environment : Windows, Linux, VMware, SCCM

**Roles & Responsibilities:**

* Providing SUDO access for the users.
* Mount/Unmount and making changes permanent.
* RPM, YUM, LVM
* Creating New Partitions and mounting on Linux.
* Performance problem of servers.
* Umask, Links (Softlink, Hardlink)
* Providing access to the shared folders on user requests.
* Managing Disk space using Logical Volume Management.
* Cron job scheduling.
* Performing Backup task and taking snapshots, Removing old snapshots.
* Providing File permissions on user requests.
* Adding /Removing users from the Security group.
* Configuring &amp; Administrating DNS and DHCP in Windows Server.
* Handled Virtual servers on VMware and Physical type of servers.
* Checking the storage Space availability and Rubrik Backup (New Backup configuration,

Removing from Backup).

* Patches, troubleshooting, and maintenance of Linux and windows servers (Redhat,

Windows server 2008, Windows server2012)

**Project:2**

Company : **Flat World Solutions Pvt Ltd.**

Role : **Technical Support Engineer**

Environment : **Windows and Linux**

**Roles & Responsibilities:**

* Installation, configurations, troubleshooting of various operating systems,
* Manage all networked machines.
* Installation, configuration, management of all official applications/programs.
* Antivirus management on all machines.
* Managing all infrastructure machines.
* Troubleshooting of applications as per complains
* Network management LAN/WAN/WLAN.
* Application support for all stake holders.
* Creating/Managing server backups.
* Crimping/ether channel/network rack setup.
* Managing PNP/Network printers.
* Creating/Maintaining overall machines backup (SAN).
* FTP, DNS, DHCP server management.
* Configuring NAS drives, NAS drive backup.
* Managing Cobian Backup.

**Project:1**

Company : **Wipro Infotech (Mysore).**

Role : **Technical Support Engineer**

Environment : **Windows, Desktop**

* Troubleshooting of Hardware related issues and performing system upgrades such as
* change of hard disk, RAM etc.
* Coordination with Vendors / Service providers for Procurement, Delivery and
* Installation of Desktop, Printers, Applications.
* Coordination with Vendor for Installation of New Lease line and Broadband connection.
* Looking after, the Daily operations &amp; Managing Priority &amp; Escalated Issues, Preparing
* weekly and Monthly Reports.
* Individually responsible for interacting with internal users for all operational activities.
* Installation of Microsoft office products like 2003/2007/2010/2013.
* Configuring and troubleshooting Microsoft Outlook and Outlook Express.
* Taking backups and restoring and securing desktops from Virus.
* Troubleshooting of Hardware related issues and performing system upgrades such as
* change of hard disk, RAM etc.
* Coordination with Vendors / Service providers for Procurement, Delivery and
* Installation of Desktop, Printers, Applications.
* Coordination with Vendor for Installation of New Lease line and Broadband connection.
* Looking after, the Daily operations &amp; Managing Priority &amp; Escalated Issues, Preparing
* weekly and Monthly Reports.
* Giving training for new employees about the company infrastructure and Do’s and
* don’ts in company.
* Individually responsible for interacting with internal users for all operational activities.

**Personal Details:**

Father’s Name : Parama nand Yadava

Date Of Birth : 15-May-1989

Languages Known :English, Hindi

Marital status : Married

## **Declaration:**

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

**Place**: Bangalore Your Sincerely  
Date: Sumit Kumar Yadava