Manoj Bhupalsingh Bangari

Devops Engineer

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CARRER OBJECTIVE

To continuously keep on learning, upgrading my skills and knowledge for the benefit of the organization and my nation.

EXPERIENCE

HTC GLOBAL SERVICES PVT LTD (CLIENT – RBI), KUBERNETES ADMIN [Sept 2020 to Present]

- Setting up complete Kubernetes environment on-Premises
- Build the Jar images using Docker File
- Creating Volumes and Mounting using PersistentVolumeClaims
- CI Pipeline using Gitlab, Maven and Jenkins
- Setting up Ingress to forward the traffic
- Configuring High Availability Proxy server
- Writing Yaml for Deployment in Kubernetes UAT/Staging/PROD/DR environments.
- Configuring and Deploying Stateful sets
- Setting up Backups of Cluster using ETCD
- Creating Bash scripts to Automate the deployments
- Istio and Kiali configuration with the Application
- Integrating Monitoring tools like Grafana, Prometheus with the Application
- Managing Secrets, Configmaps for the Application
- Performing DR activity
- SMS OTP Backend configuration in Application

- LDAP and SMTP configuration in Application
- Configuring Syslog's to manage the Application logs
- Deploying war files in WebLogic servers, setting parameters, Db connection, Managing certificates
- Maintaining the Docker container Registry, Hardening of Kubernetes Master/Slave servers
- Configure the CI/Build and CD/Release Integration pipeline on GCP using Cloud Build
- Configuring App engine for developing and hosting web applications.
- Setting up Compute engine, GKE environment, Container Registry, Source Code repositories
- Managing IAM roles, Policies, ACL
- Creating buckets, Export and Import Data in Cloud storage, Setting up permissions and SQL instances
- Managing Instances Group, MIG, Snapshots
- Creating Custom Encryption to secure the data.
- Configuring VPC, Network Peering, Cloud VPC Tunneling, Firewall, Routes, Static Ip address, Cloud Routers

FINANCIAL SOFTWARE AND SYSTEMS PVT LTD (CLIENT – CBI), SYSTEM ADMINISTRATOR [July 2019 to Sept 2020]

- Managing Linux Server for the Atm based Application
- LVM Management, Backup of the server using Net vault tool
- Installing and Updating Packages using Rpm and Yum, Monitoring Overall Health of server and creating scripts for CPU Alerts
- Job scheduling using At and Cron scheduler, Managing OS patches
- Configure and maintain various services like DNS, NFS, Apache
- Managing, troubleshooting Server firmware upgradation
- Wrote Ansible playbook to deploy, configure, and manage users
- Created Alerts Scripts to Manage the ATM with Buzzers
- Bash Scripts for managing the Server Users Expire dates.
- Bash scripts to Receive Mail reports of the Application to different vendors
- Configuring Postfix Mail server

CNERGEE TECHNOLOGIES PVT LTD, LINUX SYSTEM ADMINISTRATOR [Feb 2019 to July 2019]

- Managing Linux Server for Internet Provider Application
- LVM Management, Backup of the server
- Installing and Updating Packages using Rpm and Yum, Monitoring Overall Health of server and creating scripts for CPU Alerts
- Job scheduling using At and Cron scheduler, Managing OS patches
- Configure and maintain various services like DNS, NFS, Apache
- Managing, troubleshooting Server firmware upgradation
- Wrote Ansible playbook to deploy, configure, and manage user

- Replication of MySQL, Mongo dB Databases in Linux
- Managing Inodes in Linux, Compression and Archive (tar, zip)
- Configuring RRD tool with Application to handle time series data such as network bandwidth, temperatures or CPU load.
- Bash scripts to perform the automate the archive and compression
- Managing terraform Providers, Plugins, remote Backends, variables, modules and state files
- Configure local-exec, remote-exec, file provisioners and data sources
- Taint, untaint and import terraform resources
- Managing workspace and debugging terraform logs
- Change the remote backends with different cloud providers

SIMPLE LOGIC PVT LTD (CLIENT – SBI, Federal Bank, TMC, INNOWAVE), SYSTEM ADMINISTRATOR [Feb 2018 to Feb 2019]

- Server hardening, checking I/O and Memory performance
- Mongo dB Replication configuration and performance tuning
- Mongo dB Sharding configuration for high availability on Linux Distributions, Mongo dB Backup Strategies
- Configuration of Haproxy for high availability
- Managed GitHub repositories and permissions, including branching and tagging
- Configuring MariaDB Database, Managing Apache server
- Installing and Configuring Ruby on Rails on different Linux platforms
- Deploying a Ruby application on Linux Production Server
- Installing and Configuring of Passenger Phusion
- Installing Passenger and Nginx on Linux Production Server
- Creating Complete Jenkins Pipeline with Jenkins File
- Writing Docker file and Compose files for configuring an image
- Master to Slave and Master to Master Replication in Mysql Database
- Writing Ansible playbook and editing Inventory file
- Configuring Network Setting in Docker and attaching to a specific network when needed
- Managing Docker Containers with Kubernetes tool
- Setup Jenkins on Tomcat
- Setting Up CI/CD pipeline with help of Gitlab, Nexus, Maven, SonarQube, Jenkins, Docker, Kubernetes tools
- Troubleshooting of Server while Server being Hacked and taking further preventive measures

NUMEN CONSULTANCY AND SERVICES PVT LTD, LINUX SYSTEM ADMINISTRATOR [Feb 2016 to Feb 2018]

- Working with Yum repositories
- Monitoring Overall Health of server by Top, Vmstat, Sar and Nmon Utilities
- Managing HA Cluster in RHEL7
- Configuring MariaDB Database
- Linux LVM Management
- Replication of MySQL, mongo dB Databases in Linux
- Backup and Restore Databases
- Managing Inodes in Linux
- Editing in Vi, Vim text editors, Archiving and compression and to remove bad blocks
- Installing and Updating Packages using Rpm and Yum
- Job scheduling using At and Cron scheduler
- Troubleshooting of Server problem during high utilization
- Brief Knowledge on File system hierarchy
- Monitoring Server health by Nagios
- Bash Shell Scripting
- Configure and maintain various services like DNS, NFS, Samba, Iscsi, Apache, Postfix
- Managing Local Linux Users and Groups
- Hardware Management, Network Management
- Perform Backup and Restore data
- Performance/Health Check
- Configuration of Apache as load balancer
- Configuration of Haproxy for high availability
- Installed and configured Nagios to constantly monitor network bandwidth, memory usage, and hard drive status

SKILL SET

- Operating Systems (RHEL, Ubuntu, Mint, Fedora, Windows)
- Versioning Tools (Git, Codecommit)
- Containerization/Orchestration Tools (Docker, Containerd, Kubernetes)
- Devops (Git, Jenkins, SonarQube, Nexus, Kubernetes, Ansible)
- Scripting tools (Bash, Yaml, Python)
- Monitoring tools (Nagios, Grafana, Prometheus)
- Database (MariaDB, Mongo dB, Postgres, Oracle 12c)
- Web Servers (Apache Tomcat)

- AWS (S3, ELK, EC2, NACL, VPC, EBS, RDS, Auto Scaling, Codecommit, SNS, IAM, CloudWatch)
- GCP (GKE, App Engine, Cloud Build, Container Registry, Cloud SQL, Cloud Shell, Cloud Functions, Instance Groups, MIG, Cloud Load balancing, IAM, Service accounts, Data transfer, VPC, Cloud VPN, Cloud Route)
- Service Mesh (Istio)
- Infrastructure as Code (Terraform)

PROJECTS

- UAT/DR/Prod Environment setup using WebLogic Application server (Client RBI)
- UAT/DR/Prod Environment setup using Docker/Kubernetes (Client RBI)
- Complete CI/CD pipeline implementation using GCP Cloud build (Client RBI)
- Configured Ruby on Rails with Passenger and Nginx
- Integrated Complete Devops Life cycle end to end (Client SBI)
- Automated Alert System to get real time alerts of the ATM down Machines (Client CBI)
- Graphical Representation of Atm status through Bash scripts (Client CBI)
- Integrated Jenkins over Docker with SVN (Client Innowave)

CERTIFICATION

- Certified Kubernetes Administrator (CKA) certified in year 2021
- MYSQL 5.5 Certified in the year 2020
- Red Hat Certified System Administrator (RHCSA) certified in the year 2017
- Completed Microsoft Sql Server Basic course in the year 2016

EDUCATION

- Bachelor of Engineering in Electronics from Ramrao Adik Institute of technology, University of Mumbai with 6.61 Cgpa, in the year 2017
- Diploma in Industrial Electronics from Rajaram Shinde Institute of technology, MSBTE with 73.71%, in the year 2014
- SSC from Christ Jyoti Convent High School, Chiplun, Ratnagiri with 64.53%, in the year 2008

LANGUAGES KNOWN

- English
- Hindi
- Marathi

HOBBIES

- Cooking (I love cooking Indian food specially Dal Khichadi)
- Playing Snooker and Pool
- Skipping
- Playing Guitar
- Singing (especially devotional songs)
- Playing Table Tennis

PERSONAL DETAILS

Name: Manoj Bhupalsingh Bangari

Nationality: Indian

Date of Birth: 27/11 /1991

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I hereby confirm that the above information is correct to the best of my knowledge.