**Ravindra Pratap Singh  **

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**Cloud and DevOps Engineer**

***Offering 6+ year of working experience into Cloud, DevOps and Linux profile***

**AIM**

To secure a challenging position where I can effectively contribute my skills competently, share and enrich

my knowledge, thereby contributing to the growth of the organization.



**PROFILE**

* 6+ Year of experience as DevOps , Cloud and System Engineer.
* Competent IT professional of system administration experience with proficiency implementing and administering Linux Server & various products for domestic and International Clients.
* Currently working with **SHL India Pvt. Ltd. Gurugram, HR as DevOps Engineer.**
* Possesses the desired combination of technical and functional proficiency with expertise in Linux OS and AWS DevOps tools.



**TECHNICAL SKILLS**

* **AWS**

Experience in AWS Cloud like Configuring & managing, troubleshooting AWS Services like, EC2, EBS, ELB, Auto-scaling ,VPC and their components, Peering connection, RDS, CloudWatch, CloudTrail, SNS,S3 Storage & Lifecycle management, EFS, IAM Users & ROLE, Route-53, Patching instances using SSM patch manager, Security group and NACLs. ECS, ECR.

* **Google Cloud Platform**

**Compute:** Creating VM machine with diff-2 configuration under project.

**Networking**: Creating of Custom **VCP**,Shared VPC,VPC Peering, Subnet, Route, Allowing and restricting traffic

using firewall, **Load balancer** creation and management**, CND** to rescue from Latency issue.

**IAM:** User, Groups, Roles and Service account creation to manage various tasks in GCP project.

**Storage service:** Bucket creation to store data and configuring static website.

**Monitoring services:** Stack driver monitoring and stack driver logging.

* **Terraform for AWS**

Terraform codes to provision various AWS resources.

* **Ansible Configuration Management tool.**

Installation and configuration of Ansible for configuration manage and **CI/CD**.

Perform various ad-hoc tasks using **ad-hoc command**.

Writing **Playbooks** to perform various repetition tasks and executing multiple tasks in one go. Securing Playbook using Ansible Vault,Managing Linux OS and their services using ad-hoc command and playbook.

* **Jenkins**

Installation and configuration of Jenkins

Installing various plugins managing credentials and

Creating freestyle and pipeline jobs for CI/CD , Master slave configuration to share the load among multiple nodes.

Pipeline as code (scripted and Declarative pipeline)

* **Linux (RHEL 5,6,7), CentOS, Windows.**

Installation and configuration of Linux operating system

User and group management restricting and allowing admin permission using sudo , Security implementation using IpTables and Firewall, selinux , TCP wrapper.

File system management (Standard and LVM & Swap memory management), File and directory permission , limiting access using specials permissions like : ACL,SGID,SUID,Chttr.

Configuration of Various services like: NFS,SAMBA, FTP, SSH,Rsync,NTP,YUM server.

OS patching, Server performance monitoring like CPU, Disk ,Memory , Automating various repeated task using Cron.

Installation and configuration of Jboss , Tomcat & apache, deployment of wars. Archiving through tar, zip and unzip files.

**DevOps Tools :** Jenkins, Team City, Bamboo, GiT, GitHub, BitBucket

**Scripting :** Bash Scripting, Python scripting (Basic)

**Monitoring Tools :** Nagios, CloudWatch

**Container services :** Docker & Docker Swarm and Kubernetes. ECR , ECR

**Ticketing tools :** OTRS and Service-Now ticketing tool, Jira Project Management tool.

**Virtualization :** Virtualization on Citrix Xen Server and management thought Xen Centre.

**Databases :** Oracle and MySQL Database, Informix, RDS

**Web & App servers :** Jboss Application server, Apache Tomcat, HA-Proxy Load balancer, Apache Web Server, Keep Alive IP clustering.

**CERTIFICATION:-**



**RedHat Certified Engineer (RHCE)**

**RedHat Certified System Administrator (RHCSA)**

**Oracle Database SQL Expert (OCE)**

**Oracle certified Associates (OCA)**

**Oracle Certified Professional (OCP)**



**PROFESSIONAL EXPERIENCE**

**SHL india Pvt. Ltd., Gurugram,HR since 15 Dec 2020 to present**

**DevOps Engineer**

**Used Toots: AWS , AWS CLI, terraform , Bamboo ,Linux OS (RHEL), , Apache Tomcat, Apache, Bash Script, Ansible, GiT, BitBucket ,Jenkins, Oracle DB.**

* Launching and configuration of Linux servers in Cloud environment.
* Manage and configure AWS cloud servers. Classic LB, Managing Auto Scaling group.
* Security Group, Cloud watch and Nagios to monitor server. S3 bucket to store data.
* Attaching Storage using EBS volume to EC2 instance. Management of VPC and their components.
* Code deployment thru **GIT and Jenkins and Ansible**.
* Infrastructure Provisioning/management using Ansible and Terraform for AWS resource provision.
* Providing support to more than 1000 Redhat Servers.
* Handling Load Balancer **(HA-Proxy & Apache)** in the Production Environment as well as test environments.
* Performing backup of the Databases and system on daily and routine basis.
* Working on Web & App server (Tomcat & Apache and Jboss) installation and configuration.
* Install and Manage Development code through GIT.
* Job automation in Crontab using bash and SQL based scripting.
* Managing Application in the Production as well as Test and DR Environment
* Application Configuration and Deployment, Application Management and Maintenance
* Documentation of various activities whenever as required.
* Work as per SLA with use of Jira ticketing tools. Executing various Customer Service Requests
* Use of CIFS, NFS and FTP to share files over network.
* Installing, updating packages in Red Hat Linux servers using **RPM’s** and **YUM** repositories.
* Installation, Configuration and Administration of LVM.
* User group administration. **ACL** implementation.
* Provide resolution to various Severity1 incidents over bridge call.

**Virtusa Consulting & Services Pvt. Ltd., Gurugram,HR since 16 Dec 2019 to 13-Dec**

**Senior Consultant (DevOps)**

**Project: RBS (NatWest Market)**

**Used Toots: Linux OS (RHEL), AWS, Apache Tomcat, Apache, Bash Script, Ansible, GiT, Jenkins, Oracle DB**

**Garg Data Information Pvt. Ltd., Noida since 18 Feb 2019 to 11-Dec-2019 System Analyst**

**Project: BirchStreet Systems.**

**Used Toots: Linux OS (RHEL), AWS, Apache Tomcat, Apache, Keep-alive, Bash Script, Ansible, GiT, Jenkins, Nagios, Oracle DB,MySql**

**Syniverse Technologies, Gurgaon** **since 26 Oct 2017 to 15 Feb 2019**

**System Analyst II**

**Projects Handled - RJIO, MTNL, SingTel,Unitel,M1 ,GrameenPhone.**

**Product: - MNP (Mobile Number Portability)**

**Used Tools:- Linux OS (RHEL), AWS, Apache Tomcat, Apache ,Keep-alive, Bash Script. Oracle DB, GiT, Jenkins, Ansible ,Nagios.**

**Estel Technologies, Gurgaon**  **since 30-Sept-2014 to 24-Oct-2017**

**Senior System Engineer –L2**

**Projects Handled: RINN, Express Union, MPSS, Ncell, Ipay**

**Used Tools:- RHEL & CENTOS Server, AWS ,Informix, MySQL, JBOSS, Apache, HA-Proxy, Bash Script.**

**Oracle VirtualBox**



**EDUCATIONAL DEVELOPMENT**

* **M.Sc. (Computer Science) from Integral University.**
* **GRADUATION (B.Sc.) from Kanpur University Kanpur.**
* **INTERMEDIATE (+2) from U.P. Board Allahabad.**
* **HIGH SCHOOL (10th) from U.P. Board Allahabad.**



**PROFESSIONAL DEVELOPMENT**

* **Training on SQL & PL/SQL from SQL Star Institute, New Delhi.**
* **Training on Oracle (10g) database from SQL Star Institute, New Delhi.**

**PERSONAL PROFILE**

* Father’s Name: Mr. Phool Singh
* Date of Birth: 08 July 1991
* Nationality: Indian
* Languages Known: English, Hindi
* Mobile Number: +91 –7042817215
* Current Address: House no. B-978, New Ashok Nagar, New Delhi 110096
* Permanent Address: Village & Post – Paranipur

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