Subham Singh 

**Software Engineer (DevOps** **Engineer)**

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**Red-Had Certification Number (**170-219 -216**)**

# Experience Summary

More than 5.10 **‘years’** work experience in various IT platform with strong customer service people management process management IT infrastructure management attitude.

# Education

**Education B.C.A Faizabad university (**July-2012-Aug-2015**)**

**Intermediate Allahabad board (**July-2010-June-2012**)**

**High school Allahabad board (**July-2009-June-2010)

**Technical Certifications (**CCHNP, AWS, RHCSA, RHCE) (RHEL 7.3)

**Skills Set**

|  |  |
| --- | --- |
| **Web Application** | APACHE, NGINX, TOMCAT APACHE. |
| **Automation Tools** | CI/CD, GIT, Docker, Kubernetes, Helm, CODE PIPE LINE Code Deploys, Jenkins, |
| **Monitoring / ticketing Tools** | NEW RELIC, Prometheus Grafana, Cloud watch, JIRA, TREELO ticket. |
| **Databases** | MYSQL DB, [Amazon Aurora](https://docs.aws.amazon.com/AmazonRDS/latest/AuroraUserGuide/CHAP_AuroraOverview.html) DB |
| **Cloud Computing** | Amazon Web Services (AWS CLOUD) |
| **Operating Systems** | Linux Ubuntu, Centos, RHEL 8.5 |
| **Installation & Package Management** | Linux RHEL, Centos, Ubuntu servers and fault analysis troubleshooting. Package installation, open-Source tools installation etc. |
| **Users and Group Management** | User and group creation, deletion, modification, password policy. |
| **System Performance** | Performance monitoring using- disk, network, CPU, memory |
| **Fundamental Good Understanding about Network Service** | DNS, DHCP, TCP/IP & UDP Protocols, SMTP, OSI Layer and remote access. |

**Work Experience:**

**NEC Technologies Present -** JUNE 2021

**DevOps Engineer.**

**Configure Linux server & Troubleshooting.**

**Server Hardware and Performance Analysis-** RND administration of server hardware using server performance level issue. proactive monitoring providing 24x7x365 support to client.

**Amazon Web Services.**

**Amazon cloud**- AWS management console and AWS access control list.

**Network**- VPC, route53, IGW/NGW, VPN, routing, IP or subnets,

**Compute**- EC2, ELB, Auto scaling, RDS, EKS.

**Storage**- EBS volume group storage, EFS, S3, glacier, etc.

**Security**- NACL, security group, IAM, KMS, MFA, open VPN etc.

**Services**- ACM, AWS backup, Cloud Watch, SNS, SQS, CPU memory, Guard Duty, WAF, Elastic cache Mem cached or SES, SSL Certificate, RDS Event. Etc.

**Automation Tools-** CI/CD | Code Pipeline | Code Deploys | Git | Docker | Bash Scripts

**Environment:**

AWS | Linux | Docker | CI/CD | Jenkins | Code Pipeline | Code Deploys | Git | K8s | Helm – etc.   
  
Worked on 5GC automation K8S deployment of RedisDB Mongodb via helm.  
Worked on the setup to k8s cluster and managing the k8s cluster.  
Building the Docker Images and pushing to Docker registry.  
Installing the deployment via helm in k8s.  
Worked the automate CI/CD on Jenkins part with SVN.   
Worked on the Jenkins of Email trigger and user management.   
Worked on the backup part on automations.   
Using Build TIGGRS, COMMIT TRIGGER MANUAL TRIGGER.  
Deploy these helm chart on k8s cluster System testing Automation.

**Chetu India PVT Ltd.**

**AWS | Linux System Engineer.** Jan – 2019 - June 2021

**Linux OS fundamentals & administering and managing the Linux server handling with RHEL centos, Ubuntu servers.**

* Managing users and groups management, creating simple scripts & user add scripts. DB backup scripts, code backup scripts etc.
* Managing swap space and swap related issues, auto mounts file system related issues.
* Work experience in packages and kernel patch installations, managing and troubleshooting.
* Samba server security and permissions, multi user samba server mount.
* Sftp server, ssh, resync, scp, cp, mv, wget, nfs server & client, etc.
* Postfix mail server, crony, tar, crontab, Setfacl, Systemctl services etc.
* DNS server & DHCP server configuration & information, gateway server,
* Apache or Nginx self-sign cert, virtual hosting, website extending, dynamic website hosting with apache event monitoring.
* Good experience in troubleshooting boot process.
* Managing and administration of logical volume manage (lvm).
* Journalctl, root passwd break, kill program, network manage with ntop tool,
* Managing firewall d package management using yum server repo list.
* Installation and managing Maria-DB, MySQL database management access control system.
* Network configuration and connection add controlling ipv4 & ipv6, Nic teaming
* Controlling and managing services logs, IP forwarding, IP route.
* Handling file permissions related issues like suid, sgid and sticky bit & ACL.
* Configure users time and session related task for particular services.
* Configuration of security and related issue, secure syslog server management.
* Manage log issues and troubleshoot relabeling all services through Selinux.

**PETRONIA TECHNOLOGY.**

**Linux System Administrator.** Aug 2016 - Dec 2019

* Handling the technical support for Linux and windows machine running various product-based application RND system and performance level issue.
* Patch management related to windows and trend quick heal antivirus like updating, deployment untangle server, samba server, Etc.
* Network support in back office and responsible for managing and monitoring LAN, and IT related tasks, internet connectivity, maintain daily complaint logs, inventory management, Hardware troubleshooting, IT hardware purchase, email activation/deactivation, email password regenerate, user data-backup, email data backup, printer connectivity
* Responsible for managing IT infrastructure and technical support for corporate office and data Centre machines, and Monitoring critical application and providing 24/7 technical support.

**Employee of the month**:

* Made a new infrastructure up and running for new office for new users within 48 hours successfully in Petronia Technology.

**LANGUAGE**

ENGLISH, HINDI  **Subham Singh.**