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### **Professional Summary:**

- 5 years of IT industry experience in DevOps Engineering with experience in AWS and complete understanding of Software Development.
- System Administration and Server Virtualization, worked closely with development, storage, quality assurance, database, networking and customer support teams to meet business and technical demands
- Hands on experience in Linux Administration (Installation, Configuration, Tuning and Upgrades of Linux (Red Hat)).
- Proficient in Automation of various day-to-day administration task by developing UNIX Shell, Bash and Python Scripts.
- Experience with Bug tracking tools like JIRA, ClearQuest and Sonatype Nexus, Artifactory as Jenkinsitory Manager Tools to create & manage Artifacts across various projects.
- Proficient in configuring Kick Start thru WAN boot to initiate installation of Red Hat Linux on several machines at once.
- Provided POCs on tools like Jenkins, Sonar, and Fortify for continuous integration and code quality.
- Designed and developed the system on a Linux Platform. Installed and configured WebLogic Application Server 8.1. Used Eclipse 3.0 development environment to build distributed J2EE applications, and used GIT for version control.
- Designed a customized Status Reporting tool used currently, based on the specific requirements using WebSphere Application Server.
- Understanding OSI Model, TCP/IP protocol suite- IP, ARP, TCP, UDP, SMTP, FTP.
- Experienced on the GIT branching for applications by creating Release branches, Development branches thus ensuring the integrity of applications.
- Deploying application using Jenkins server and Troubleshoot build and release job failures, resolve, work with engineers on the resolution.
- Worked on ELK architecture and its. Handled installation, administration and configuration of ELK stack on AWS and performed Log Analysis.
- Experience in writing Shell scripts using bash for process automation of databases, applications, backup and Scheduling to reduce both human intervention and man hours.
- Monitored network and applications through Zabbix and Nagios, while performance and logs by using Splunk.
- Executed a Continuous Delivery pipeline with Docker, Jenkins, GitHub and AWS AMI's, results in generating of new docker container whenever a new GitHub branch get started.
- Utilized CloudWatch to monitor resources such as EC2, CPU memory, Amazon RDS DB services to set alarms for notification or automated actions; and to monitor logs for a better understanding and operation of the system.
- Experience configuring Firewall and security using SSL, IPchains, IPtables, TCP Wrappers, Tripwire, and port scanners.
- Strong technical background in Storage, Disk Management, Logical Volume Management (LVM) and logical partitioning.
- Day to day administration of the Development environment, Production, and Test environment systems. 24x7 on-call support.

### **Specialized Expertise:**

<b>Operating Systems</b>	Windows, Linux (Red Hat, CentOS), Unix,
<b>Virtualization</b>	VMware, KVM, VirtualBox

<b>Scripting Languages</b>	Python, Shell, Bash
<b>CI/CD Tools</b>	Jenkins, Bamboo, Hudson, Sonar, Fortify
<b>File Systems</b>	XFS, VFAT, EXT4
<b>Security</b>	Firewalls, VPNs, IPsec, IPtables
<b>Network Systems</b>	NFS, NIS, DHCP, DNS, SAMBA
<b>Versioning Tools</b>	GIT, CVS, GIT LAB
<b>Build Tools</b>	Apache Ant, Apache Maven
<b>Monitoring Tools</b>	Splunk, Zabbix, Nagios
<b>Ticketing Tools</b>	Jira, ClearQuest
<b>Middleware Technologies</b>	WebLogic, Apache, Tomcat
<b>Cloud Technology</b>	Amazon Web Services

### **Professional Experience:**

**Client: Pathline, Ramsey, NJ**  
**Role: DevOps/Cloud Engineer**

**Jan2023-Till Date**

### **Responsibilities:**

- Implemented security best practices in AWS including multi-factor authentication, access key rotation, role-based permissions, enforced strong password policy, configured security groups and NACLs, S3 bucket policies and ACLs, etc.
- Streamlined deployment process across multiple environments by automating the build and configuration of cloud solutions
- Implemented various class of S3 storage that best fits data access frequency, regulatory compliance requirements, and numerous other considerations that are unique to business needs. Recommended and implemented versioning enabled buckets to recover objects from accidental deletion or overwrite and added an extra layer of protection with MFA delete.
- Managed provisioning of AWS Infrastructure using CloudFormation and Terraform.
- Developed and implemented DDoS-resilient architectures utilizing AWS Shield Standard, including, Amazon CloudFront, Route 53, WAF, Load Balancers, and mor
- Migrated high availability web servers and databases to AWS EC2 and RDS with minimum or no downtime.
- Ensured data recoverability by implementing systems snapshot, AMIs, RDS Replicas, and application-level backup to S3 and configured S3 events to set up automated communication between S3 and other AWS services
- Middleware installations and domain configurations.
- Optimized cost through reserved instances, selection and changing of EC2 instance types based on resource need, S3 storage classes and S3 lifecycle policies, leveraging Autoscaling, etc.
- Oversaw and developed the automatic installation, configuration, and upgrade of horizontally scalable, clustered software to meet and exceed requirements of employer
- Achieved reduction in Cloud costs and optimized usage levels by building and executing flexible instance-based automations
- Implemented AWS Organization to centrally manage multiple AWS accounts including consolidated billing and policy-based restrictions and also enforce security.

**Environment:** GIT, Maven, Amazon Web Services(Cloud formation, Cloud Watch, IAM), AWS CLI, Elastic Search, GitLab, Apache Tomcat, Gradle, Kafka, .Net, Jenkins, Jira, WebSphere, Docker, Maven, ANT, Ansible, REST API, OpenShift.

**Wipro, India**

**June 2018 – June 2022**

**Role: DevOps Engineer**

**Responsibilities:**

- Involved in three different development teams and multiple simultaneous software releases.
- Experienced in troubleshooting linux application connection, network and security related issues using tools.
- Responsible for design and maintenance of the Subversion/GITLAB, Stash Repositories, views, and the access control strategies.
- Develop CI/CD system with Jenkins on Kubernetes container environment, utilizing Kubernetes and Docker for the runtime environment for the CI/CD system to build and test and deploy.
- Designing and implementing High Available Kubernetes cluster in Dev, QA and Prod and Own of all Kubernetes clusters.
- Automated the application deployments to Kubernetes using YAMLS and later migrated to HELM charts and maintain all the helm charts in the relevant repositories
- Deployed Jenkins with dynamic slaves on Kubernetes and configured with external Jenkins servers for triggering jobs.
- Worked on .NET Security features such as Authentication Authorization, Forms-based Authentication, Authorizing Users, Roles and User Account Impersonation, tracing.
- Experience with container platforms , specifically to run ISAM on containers.
- Deploying software to Dev, QA, and Production environments using Jenkins, Maven, Octopus Deploy or other related deployment software packages.
- Knowledge base on WebSphere, .NET, Tomcat Application Servers. When using S2I, red hat, OpenShift analyzes , builds and deploys the application code.
- Involved in writing java API for Amazon lambda to manage some of the AWS services. Installing, configuring and maintaining CI, Automation and Container management tool like Kubernetes.
- Working the code by using the Kubernetes and Blueprint technologies. Developed REST API using Spring MVC and REST Controllers and generated JSON/XML formats.
- Attending daily Stand-up meetings with the team including client in the part of sprint.
- Expertise in Chef for configuration management and infrastructure automation and automated Application deployment using Jenkins plans.
- Performed installation and managed Grafana to visualize the metrics collected by Prometheus.
- Responsible to set up & configure monitoring and metric gathering system around Prometheus and Grafana.
- Experience working with Red Hat Linux, Java, Apache Tomcat, Apache Webserver and Oracle.
- Created Ansible Playbooks in Ansible Tower using YAML script and to deploy code to different servers Ansible tower is integrated with Jenkins.
- Hands-on experience with monitoring tools like Prometheus And worked with Apache Kafka
- Created and used Playbooks in Ansible Tower and integrated tower with Jenkins to deploy code to different servers.
- Security patches, bug fixes, and software enhancements, as well as monitoring server performance will be day to day duties.

- Used IAM for creating roles, groups and implemented MFA to provide additional security to AWS account and its resources.
- Created the AWS architecture and security system design and complete informational background to the team.
- Experienced with event driven and AWS lambda scheduled functions to trigger various AWS resources.
- Setup and build AWS infrastructure various resources, VPC, EC2, S3, IAM and security group in cloud formation JSON templates.
- Utilized terraform for managing the infrastructure through the terminal sessions and executed scripts in creating alarms and notifications for EC2 instances using AWS cloud watch.
- Used Urban Code to integrate the Jenkins for Continuous integration.
- Developed and maintained release engineering systems for Ansible products.
- Working with Kubernetes and Docker components.
- Experienced in Scheduling AWS Lambda functions from CloudWatch triggers.
- Used IAM to create new Accounts, Roles, and Groups and enabled Lambda functions for dynamic creation of Roles.
- Created the .NET builds and made sure the builds are migrated all the way up to the Production Environment.
- Caching, SQL, NoSQL, Storage, Network services, API Management, Scheduling, Auto Scaling, and PowerShell Automation.
- Deploying and managing applications in Datacenter, Virtual environment.

**Environment:** Kubernetes, Amazon Web Services(Guard duty, Cloud formation, Cloud Watch, IAM), AWS CLI, Docker, Terraform, Apache Tomcat, .NET, REST API, Ansible, Nexus artifactory, Lambda, Kafka, Gitlab, Prometheus, Openshift CLI client oc, Grafana, Ansible, Ansible Tower, Octopus Deploy, Citrix Load balancing, GIT.

**Education:**

Bachelors in Electronics and Communication Engineering from **JNTU HYD, India**. -2018