Ujjwal Tripathi

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Professional Summary:

- 7+ years of experience as a Cloud/DevOps Engineer involved in System Administration, Configuration management, Cloud Implementation, Continuous Integration & Delivery.
- Experience in System & Server builds, Installs, Upgrades, Patches, Migration, Troubleshooting, Security, Backup, Disaster Recovery, Performance Monitoring and Fine-tuning.
- Experience in Administration of Production, Development and Test environment's carrying Windows, Ubuntu (RHEL) Red Hat Linux and CentOS servers.
- Experience with Development Process Automation, Build and Release Management, Change/Incident Management, Source Code repository, and CI/CD practices.
- Experience in using AWS including Auto Scaling, Elastic Load Balancer, S3, RDS, Lambda for serverless deployment of web applications and automated deployments using Cloud formation templates.
- Experience with Amazon Web Services for deploying EC2 instances consisting of OEL, RHEL, CentOS and Ubuntu in Linux and Windows.
- Working knowledge of failover and failback disaster recovery (DR) server management and to ensure high availability of the application.
- Worked with tools like MAVEN and ANT for the building of deployable artifacts.
- Experience with Continuous Integration and Deployment using various CI Tools like Jenkins, Puppet, Chef, Hudson, and Bamboo.
- Experience in administering, configuring, installing applications to a WebSphere, JBOSS, and OpenShift Enterprise environment.
- Experience working with VMware tools vCenter to manage, deploy and configure ESXi and Virtual Machines.
- Experience using Routed Protocols: FTP, SFTP, SSH, HTTP, HTTPS and Connect direct.
- Experience with Kubernetes to deploy scale, Load Balance, scale and manage Kafka, Docker containers with multiple namespace versions.
- Experience in customizing JIRA projects with various schemas, screen schemes, permission schemes, complex workflows, and notification schemes.
- Familiarity with developing scripts in XML, Python, Ruby and Shell Scripts for managing enterprise applications.
- Experience in configuring logging and monitoring tools such as Nagios, AppDynamics, Prometheus, Splunk, ELK.
- Exposure in Testing of Hot Fixes for Critical production issues, verification of application releases as part of Operational Acceptance.
- Experience in providing 24/7 support for Production, Testing, and Development environments.

Technical Skills:

Windows, Linux, UNIX, Oracle, MS-Access, MySQL, Sybase, SQL Server, SVN, Clear Case, CVS, GIT, Java, C, Perl, Shell Scripting, XML, SQL, Python, JavaScript, Hudson, Jenkins, Bamboo, Cruise Control, Chef, Puppet, TFS, AWS, ANT, Maven, JIRA, Remedy, ClearQuest, Rally, WebLogic, Apache, WebSphere, JBOSS, Tomcat

Working Experience:

Client: Canyon Community Bank, Tucson, AZ
Sr. Cloud/DevOps Engineer (Mar 2020 – Now)

Responsibilities:
- Performed the daily system administration tasks like managing system resources and end users support operations and security.
- Administration of RHEL including upgrading and loading patches, troubleshooting both physical and virtual server issues.
- Migrated the current Linux environment to AWS/RHEL environment and used auto scaling feature.
- Responsible for developing pipeline scripts for multiple internal components and supporting them during the CI.
- Used Route53 to route traffic between different regions.
- Developed Cloud Formation scripts to automate EC2 instances and deployed resources using the Cloud Formation templates.
- Wrote and maintained various Ansible modules for the upstream Ansible repository.
- Used Ansible server and workstation to manage and configure nodes.
- Worked on Nagios Event handlers for automatic restart of failed applications & services.
- Developed build scripts using Maven as the build tools for the creation of build artifacts like WAR or JAR files.
- Maintained application containers in large scale using Kubernetes both on-premise and cloud servers.
- Improved speed, efficiency, and scalability of the CI environment by automating wherever possible with Python and PowerShell Scripts.
- Created GIT configuration record for builds using derived objects generated during build audit process.
- Used Apache Tomcat as an application server for deploying the artifacts.
- Built S3 buckets and managed policies for S3 buckets and used S3 bucket and Glacier for storage and backup on AWS Redshift.
- Used CloudWatch for AWS cloud resources and the applications that we deployed on AWS (alarm creation, notify service, searching log events/streams)
- Involved in setup of Virtual Private Cloud (VPC), Security Groups and route tables across Amazon Web Services.
- Worked on Docker container snapshots, removing images, & managing Docker volumes.
- Configured Jenkins in master slave architecture to improve its performance.
- Configured Red Hat Cluster Nodes for any legacy applications and verified the daily health check on the Cluster Nodes.
- Worked in solving tickets issued on day-to-day activities and problems related to development and test servers.

Client: Barnes & Noble, Brentwood, TN
Cloud/DevOps Engineer (May 2018 – Jan 2020)

Responsibilities:
- Worked in a DevOps team in the integration environment with virtual Cloud hybrid service developing and working on to plan, deploy and deliver strategic solutions.
- Implemented Software Release Management strategies for various applications according to the Agile process.
- Performed package administration on Linux using rpm and yum thru RHN Satellite and subscription manager.

- Administration and auditing the SUN servers and installation of the patches on production and development systems.
- Experience with adding and configuring devices like Hard disks and Backup devices.
- Designed a high availability environment for Application servers and database servers on EC2 and S3 by using ELB and Auto-scaling.
- Used Cloud Watch for monitoring AWS cloud resources and the applications that deployed on AWS by creating new alarms, enabling notification service.
- Configured multiple servers depending on application needs using continuous integration tools like Jenkins.
- Configured Nagios monitoring tool to maintain servers on different environments.
- Changed the infrastructure Elastic Beanstalk to Docker with Kubernetes and Kafka to provide better performance and easier management of the production environment.
- Worked on Docker container snapshots, removing images, & managing Docker volumes.
- Installed Nagios and used it to monitor logs.
- Worked on resolving errors and crashes, CRON jobs and scheduling backups, reviewing error logs and bug-fixing.
- Worked on AWS services like EC2 S3, Lambda, Route 53, Auto Scaling, Cloud Watch, Cloud formation, AWS Glue.
- Wrote Maven along with Bash script for build and deployment, created Jenkins jobs continuous integration and deployment to various environments.
- Manage Jenkins Workflows for pre-deployment process on QA & Pre-Prod environment.
- Created SSL and Digital Certificates for requesting, generating and implementation for the communication between various internal and external applications.
- Involved in TCP/IP Configuration like assigning IP addresses, configuring network interfaces, assigning static routes, hostnames.
- Worked with development and QA team for product releases under Agile environment.

Client: WellCare, Tampa, FL
Cloud/DevOps Engineer (Mar 2017 – Mar 2018)

Responsibilities:
- Involved in daily stand-up calls, creating user stories, and taking care of Sprint planning.
- Responsible for installation, configuration, administration, troubleshooting, tuning, security, backup, recovery and upgrades of Red Hat Linux and UNIX.
- Involved in planning, scheduling and implementing OS patches on both Solaris & Linux boxes as a part of proactive maintenance.
- Monitored System Activities like CPU, Memory, Disk and Swap space usage to avoid any performance issues.
- Set up Jenkins automation by creating Docker containers and building Docker images and pushed those images to Docker registry.
- Responsible for building and improving the reliability and performance of cloud applications and cloud infrastructure deployed on Amazon Web Services.
- Utilized S3 Data pipeline to move data to AWS Redshift and application deployment and data migration on AWS Redshift.
- Built and maintained Elastic Search Log stash Kibana stack to centrally collect logs that are used to monitor applications.
- Worked on installing and configuring CLI components and launching the EC2 instances on both environments like Linux and windows.
- Worked on implementing new versions of many DevOps tools on RHEL Environment for better performance, to remove vulnerabilities.

- Worked with PowerShell to automate SQL tasks, environment management related tasks and procedures on Windows machines.
- Wrote Puppet modules for installing and managing Java versions and managing persistent SSH tunnels.
- Used Nagios as a monitoring tool to identify and resolve infrastructure problems before they affect critical processes
- Worked on Docker container snapshots, attaching to a running container, removing images, managing Directory structures and managing containers.
- Developed build and deployment scripts using ANT as build tool in Jenkins to move from one environment to another.
- Created and maintained users, profiles, security, rights, disk space and process monitoring.
- Tracking the Application Work flow in the backend which are running on Oracle.
- Performed upgrades on servers, routers, switches, desktops and general office equipment.

Client: TransUnion, Denver, CO
System Engineer (Aug 2015 – Dec 2016)

Responsibilities:
- Worked with development/testing, deployment, systems/infrastructure and project teams to ensure continuous operation of build and test systems.
- Installed RedHat Linux using Kickstart and applying security policies for hardening the server based on the company's policies.
- Involved in installing, configuring, and administering DNS, NFS, NIS, Mail servers, FTP servers, RPM servers on Sun Solaris and Red Hat Linux platforms.
- Defined a migration strategy by understanding the application architecture in working with the development team.
- Used VMware convertor to work on ESX Environment for the P2V and V2V.
- Defined AWS Security Groups which acted as virtual firewalls that controlled the traffic allowed reaching one or more AWS EC2 instances.
- Utilize AWS CLI to automate backups of ephemeral data-stores to S3 buckets, EBS and create nightly AMIs for mission critical production servers as backups.
- Configured and deployed patched upgrade bug Ansible to fixes on both physical and virtual RedHat Linux servers using satellite server-based Linux tools.
- Worked in Active Directory Migration of users from different subdomain to main domain using tools like ADMT and ADSI edit.
- Configuring and Installing System Center Operation Manager and System Center Operation Manager environments and SCOM Agents installation.
- Researched and created documentation regarding new implementation procedures, problem investigations and resolutions.
- Implementing Disaster Recovery plan using VMware`s SRM and Double-Take.
- Mapping and Unmapping all the drives from server to the source server
- Configuring new storage for VMware hosts, Windows SQL Server clusters and standalone hosts.
- Deleted the Log files on the Servers to handle Out of Disk Related Issues.
- Worked on integrating GIT into the continuous Integration (CI) environment along with Jenkins and Subversion.
- Worked with Performance engineers on Configuration of the environment.
- Configured volume groups, logical volumes and extended logical volumes for the file system growth needs using Logical Volume Manager.

- Monitoring and controlling system access and maintaining passwords, assigning special privileges to selected users and controlling file access.

Client: Food Lion, Salisbury NC
Linux Administrator (Jan 2014 – Jun 2015)

Responsibilities:
- Involved in planning, designing, implementing, installation, management, maintenance and support of the corporate Linux Servers RHEL and VMware.
- Installation of patches and packages using RPM and YUM in RedHat Linux.
- Configure Kickstart Server in Linux and JumpStart Server in Solaris and build servers using Kickstart and JumpStart server.
- Configuration of LVM (Logical Volume Manager) to manage volume group, logical and physical partitions and importing new physical volumes.
- Performed Post Build activities like Setting up Backup interface/ NIC bonding/ Loading additional Packages/ Joining the server to Active Directory.
- Worked on Puppet environments to write manifests.
- Monitored all of the company's servers' operating system and application patch level, disk space and memory usage, user activities on a day-to-day basis.
- Worked in clustering techniques to ensure high availability and GFS deployment.
- Worked with the DBA team for database performance issues, network related issues on Linux / Unix Servers and with vendors for hardware related issues.
- Designed Firewall rules for new servers to enable communication with applications, Oracle.
- Involved in administering and Performance Tuning of WebSphere Application Server.
- Managed and upgraded UNIX's server services such as Bind DNS.
- Configuration and administration of Web (Apache), DHCP and FTP Servers in Linux and Solaris servers.
- Supported the backup environments running VERITAS Net Backup.
- Responsible for setting CRON jobs on the servers.
- Decommissioning of the old servers and keeping track of decommissioned and new servers using inventory list.
- Handling problems or requirements as per the ticket (Request Tracker) created.
- Participated in on-call rotation to provide 24X7 technical support.