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**Professional Summary:**

* Over 8+ years of experience in IT industry in various roles as DevOps, Cloud Engineer, Build and Release Engineer with excellent experience in Software Integration, Configuration, Packaging, Building, Automating, managing and releasing code from one environment to other environment and deploy to servers, support and maintenance under Unix/Linux/VM's Platforms.
* Extensive experience with **Amazon Web Services (AWS**) and its services, maintaining and improving infrastructure, split between physical data centres, and AWS and managing full AWS lifecycle, provisioning, automation and security.
* Experience in AWS Cloud platform and its features which includes **EC2, VPC, EBS, AMI, SNS, RDS, EBS, CloudWatch, Cloud Trail, Cloud Formation AWS Config, Auto scaling, CloudFront, IAM, S3.**
* Experienced working in Software Configuration, Build/Release Management, **Ansible, Docker, Jenkins, Ant, Maven, GIT**.
* Experience on Configuration Management and Deployment tools like **Ansible, Terraform**.
* Extensive AWS experience at confidential role was to migrate legacy applications to AWS cloud using DevOps tools **like Jenkins, Maven, Docker, and Groovy script.**
* Experience Working with **Terraform** key features such as infrastructure as a code, execution plans, resource graphs, change automation and extensively used auto scaling launch configuration templates for launching AWS EC2 instances.
* Experience in using **OpenStack CLI** to interact with OpenStack Services like **Nova, Neutron, Horizon, Cinder, Heat, Keystone** and having experience in provisioning and optimizing of compute, network, and storage services with OpenStack through dashboard, command-line, and API utilities.
* Experience in using version control tools like **Subversion (SVN), GIT, GitHub and Bitbucket.**
* Experience in implementing systems that are highly available, scalable, and self-healing on the GCP platform.
* Experience with various CICD Tools: **Jenkins, Git, Artifactory, Ansible, Docker.**
* Good understanding of OpenShift platform in managing **Docker containers and Kubernetes Clusters.**
* Experience in writing Ansible playbooks, created inventories, custom playbooks written in YAML language, encrypted the data using Ansible Vault and maintained role-based access control by using Ansible Tower and Implemented IT orchestration using Ansible to run tasks in a sequence which can work on different servers.
* Experience with container-based deployments using Docker, particularly working with Docker images, Docker Engine, Docker Hub, Docker Machine, Docker Compose, Docker weave, Docker swarm and Docker registry and deployed using spring boot applications.
* Experience in creating Kubernetes cluster with **RHEL and Vagrant** and Good knowledge on Kubernetes services to discover and proxy requests to appropriate minion.
* Experience working on Continuous Integration and Continuous deployment using various CI Tools like Jenkins, Bamboo and Integrated Jenkins with the version control tools to pull the latest pushed code.
* Experience in **using JENKINS CI/CD PIPELINES, MAVEN, and ANT** as a Build Tool for the building of deployable nexus and artifacts (war, jar & ear) from source code.
* Experience in Branching, Merging, Tagging, and maintaining the version across the environments using SCM tools like GIT, Bitbucket and Subversion (SVN) on Linux platforms.
* Experience on ELK architecture and its components like Elastic search, Log stash and Kibana and handled installation, administration, and configuration of ELK stack on **AWS** and performed Log Analysis.
* Proficient in deployed and configured Atlassian tools like Jira, Confluence, Bitbucket, and Bamboo for both hosting and issue tracking for local instances, workflow collaboration, and tool-chain automation.
* Experienced in implementing and administering monitoring tools Dynatrace, PagerDuty, App Dynamics, Splunk and Nagios.
* Experience on installation, configuration, maintenance and troubleshooting of red hat **Linux, Ubuntu, Fedora, CentOS, and some Windows Servers.**
* Expertise in installation, configuration, and management of relational databases such **as Oracle, MySQL, MS SQL Server and PostgreSQL** and Excellent knowledge in working with NOSQL databases like MongoDB, DynamoDB and Cassandra.
* Good hands-on experience with various scripting tools such as Python, Shell, Bash, PowerShell, Ruby and Perl for automating various cron jobs and notification process.
* Strong programming experience with web technologies **like HTML JavaScript, ASP.NET, Web services.**
* Experience in design and development of applications using **.NET Framework, C#.NET, ADO.NET, LINQ, Visual Studio 2003/2005/2008, AJAX, SQL Server 2008, UML.**

**Technical Skills: -**

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| --- | --- |
| **Cloud platforms** | AWS,, GCP |
| **Configuration Tools** | Ansible, Salt Stack |
| **Containerization& Orchestration** | Tools Docker, Mesos, Docker Swarm, Kubernetes, EKS |
| **CI/CD Tools** | Jenkins, Bamboo, Rexx, Gitlab pipelines |
| **Build Tools** | Ant, Maven, Gradle |
| **Source control Tools** | Subversion (SVN), GIT, GitHub, TeamCity,Bitbucket |
| **Operating Systems** | Windows, UNIX, LINUX/RHEL, CentOS, Ubuntu |
| **Monitoring Tools** | Splunk, ELK, Nagios |
| **Languages & Scripting** | C, C++, C# Perl scripting, Shell scripting, SQL, Java Script, J Query, Bootstrap, XML, JSON, XPATH HTML, CSS, COBOL |
| **Web Servers** | Apache Tomcat, Nginx, JBOSS, WebSphere |
| **Databases** | Oracle, SQL SERVER, MY SQL, DB2 Mainframe |
| **Artifact Repositories** | NEXUS, JFrog |

**Professional Experience:**

**Verizon, Colorado Springs, CO Apr 2022 – Till Date**

**Lead DevOps and Production Support Engineer**

**Environment:** GCP, AWS, Terraform, Ansible, Docker, java, Kubernetes, Jenkins, Maven, Git, Splunk, Groovy, Power

Shell Scripting, Oracle PL/SQL, Windows server, Apache tomcat, Postman, PostgreSQL, New Relic, Grafana.

**Responsibilities:**

* Coordinate projects with multiple teams and departments (Leadership, Development, Support, Sales, Implementation, Documentation and Accounting Teams).
* Knowledge, Implementation and System Administration of various systems**, Amazon Web Services (AWS SSO), Kubernetes, MYSQL, Jira, Confluence, NetSuite, Office365, Zendesk, Gitlab**, and internal proprietary systems/software.
* Documentations of ticket resolutions via **Jira and Confluence.**
* Administration of Office 365, MS Exchange for 100+ employees.
* Knowledge of **MYSQL** sever and database to assist in resolving Support Escalations.
* On Call for Critical Support Escalations and IT/DevOps Server failure.
* Performed root cause analysis and implemented corrective actions.
* Designed and incorporated process design improvements.
* Configured **LDAP** authentication for proper login of users into console.
* Used **Splunk** data connector between Splunk Enterprise and Relational Database.
* Engaged in IT infrastructure planning and engineering for WebSphere Commerce and assigned systems.
* Implemented and maintained the assigned enterprise infrastructure systems to ensure successful deployment and operation support (24\*7). Supported systems integration testing and user acceptance testing.
* Worked pm configuration and design of web server infrastructure. Involved in the infrastructure review to adequately represent ecommerce platform and other systems.
* Maintained environments by applying necessary fix packs/feature packs.
* Monitored application server performance and respond appropriately. Monitored application server performance and respond appropriately.
* The project involved creating an **EKS cluster** using **eksctl** command line install on a linux system as well as **AWS cli** and **kubectl.**
* Deploying the code using EKS clusters.
* Worked with DBAs to implement required **DB2** configurations and data.
* Provided configuration control and managed required changes.
* Managed builds and wrote build Scripts for **JAVA** and **WebSphere** based applications.
* Worked on several Docker components like **Docker** Engine, Hub Machine, creating Docker images and Docker Registry.
* Implemented Project migration and Portfolio migration tasks.
* Experience deploying and maintaining multicontainer and applications through Docker.
* Maintenance of Git Repository for the application and assisted developers with establishing and applying appropriate branching, merging conventions using **GIT**.
* Automated Scripting using **Bash, Shell, Python, YAML** for various system admin tasks to automated repeated processes.
* Continuous Delivery is enabled with the deployment into several environments of Test, QA, Stress, and Production using Jenkins.
* Wrote Ansible playbooks from scratch in **YAML**. Installing, setting up & Troubleshooting **Ansible**, created and automated platform environment setup.
* Set up and configured of **New Relic**, improved monitoring, and performance of application in New Relic and integrated application with monitoring tool new relic for complete insight and proactive monitoring.
* Worked on Prod and Non-Prod MySQL databases. Scaling up and down the databases based on the requirements. Written MySQL database queries as well.
* Used PostgreSQL for supporting different functions of **SQL**.
* Used Postman for building, testing and modifying API’s.
* Worked on Grafana for creating alerts on different applications. These alerts were based on any process is stopped and need to be restarted, applications using Kubernetes pods which had to be restarted and I worked on pausing the alert modifying the alert when required.

**BCBS, Chicago, IL Jan 2020 – Mar 2022**

**Lead DevOps AWS/GCP Engineer**

**Environment:** AWS, GCP, Open Stack, Terraform, Ansible, Docker, Kubernetes, Artifactory, Jenkins, Git, Maven, NewRelic, Python Scripts, Kickstart, PostgreSQL/MYSQL, WebLogic.

**Responsibilities:**

* Worked on AWS Cloud Formation templates to create custom sized **VPC**, subnets, **EC2** instances, **ELB**, security groups. Worked on tagging standard for proper identification and ownership of **EC2** instances and other AWS Services like **Cloud Front, CloudWatch, OpsWork, RDS, ELB, EBS, S3, glacier, Route53, SNS, SQS, KMS, Cloud Trail, and IAM and AKS.**
* Extensive used of Elastic Load Balancing mechanism with Auto Scaling feature to scale the capacity of EC2 Instances across multiple availability zones in a region to distribute incoming high traffic for the application.
* Used AWS Cloud Formation and **AWS** OpsWork to deploy the infrastructure using **Ansible** that is necessary to create development, test and production environments for a software development project.
* Automated the installation of CloudWatch log agents through Cloud formation template to monitor the system logs of multiple EC2 instances.
* Deployed applications which are configured using Docker onto a Kubernetes cluster which is managed by **AWS EKS tool**.
* Ensure that support documentation is produced, maintained, and improved.
* Automate away manual processes to increase reliability and time to market while at the same time reducing cost.
* Work with build teams to ensure applications meet operational acceptance criteria.
* Champion Continual Service Improvement activities
* Build servers using **GCP**, importing volumes, launching EC2, RDS, creating security groups, auto-scaling, load balancers (ELBs) in the defined virtual private connection.
* Performed all necessary day-to-day Subversion/GIT/TeamCity support for different projects and Responsible for design and maintenance of the Subversion/GIT Repositories, views, and the access control strategies.
* Created Terraform modules to create instances in AWS & automated process of creation of resources is AWS using Terraform.
* Orchestrated and migrated CI/CD processes using Cloud Formation, terraform templates and containerized the infrastructure using Docker setup in Vagrant, AWS, and **Amazon VPCs.**
* Developed and executed software systems utilizing **JavaScript and Groovy.**
* Developed Jenkins pipelines in Groovy for automation of database deployments.
* Used Ansible for configuration management of hosted Instances within **GCP.**
* Implemented & Managed the Continuous Integration/Deployment pipeline using **TeamCity & Octopus**.
* Developed Open stack API to integrate with **Amazon EC2** cloud-based architecture in AWS, including creating machine Images.
* Used GCP App Engine for deploying and scaling web applications and services developed with Java.
* Wrote Ansible playbooks to setup Continuous Delivery pipeline and this primarily consists of a **Jenkins and Sonar** server, the infrastructure to run these packages and various supporting software components such as **Maven**.
* Automated creation of S3 buckets using PowerShell and deploying to **S3 buckets using Octopus deploy.**
* Created inventory in Ansible for automating the continuous deployment and wrote playbooks using YAML scripting.
* Worked with Docker containers infrastructure and Continuous Integration for building and deploying Docker containers.
* Created Docker images from scratch and customizing them as per the requirement, along with that working on Docker containers, directory structure and removing Docker images.
* Create and maintain highly scalable and fault tolerant multi-tier AWS and GCP spanning across multiple availability zones using **Terraform and CloudFormation**.
* Analysis and understanding the requirements &amp; functional specifications.
* Preparation of TS (Technical Specifications) based on the existing.  Skills Used **JCL, COBAL, VSAM, db2, IMS DB/DS, PL/1, Easytrive, SQL,Xpeditor.**
* Created a Jenkins pipeline to drive all micro services builds out to Docker Hub and then deployed to Kubernetes, created pods and configured Kubernetes Replication controllers.
* Building/Maintaining Docker container clusters managed by **Kubernetes, Linux, Bash, GIT, Docker on GCP.**
* Managed code and versioning control using Git and supported development team on resolving branching and merging issues.
* Configured Apache Maven dependency management system to deploy snapshot and release artifacts to Nexus to share artifacts across projects and environments.
* Developed Ansible Playbooks to simplify and automate day-to-day server administration tasks.
* Set up and configured of New Relic, improved monitoring and performance of application in New Relic and integrated application with monitoring tool new relic for complete insight and proactive monitoring.
* Regularly built Jenkins builds and delivered to Artifactory.
* Wrote shell, Bash, Perl and Ruby scripts for day-to-day administrative tasks and for managing users and developed web applications using Python scripting language to design application more flexible.
* Handled Production and Non-Production MySQL databases. Scaled up and down the databases based on the requirements. Written MySQL database queries.
* Performed kickstart to automate installation process for fifteen RHEL and CentOS server units and wrote bash shell script to create multiple accounts at once and a script to configure samba server on Linux for file sharing.
* Worked as a Developer in the team for designing and developing the application using Microsoft advanced technologies **MSFT Visual Studio .Net, C#, ASP.NET3.0, SQL** Server, and Microsoft Visual SourceSafe.
* Used server-side controls to dynamically change the look of the application. Created Web page elements like navigation controls and Calendar Controls once and reused across multiple areas of the site.

**HealthPartners, Richfield, MN Apr 2019 – Dec 2019**

**Sr. DevOps AWS Cloud Engineer**

**Environment:** AWS, Terraform, Ansible, Docker, Kubernetes, Jenkins, Maven, Git, Splunk, Groovy, Power

Shell Scripting, Oracle PL/SQL, Windows server, Apache tomcat.

**Responsibilities:**

* Setup and build AWS infrastructure various resources such as **VPC, EC2, S3, IAM, EBS, Security Group, Auto Scaling, and RDS in Cloud Formation JSON templates.**
* Worked with setting up database instances in AWS using **RDS, DynamoDB, and storage using an S3 bucket** and configuring instance backups and archives to Amazon Glacier archives, and configured AWS Redshift for Data Warehousing.
* Worked on provisioning and maintaining the AWS and GCP instances and storage for builds, build deployments etc.
* Used Terraform and Ansible, migrate legacy and monolithic systems to Amazon Web Services. Used Terraform scripts to configure AWS resources.
* Created CI/CD pipeline using AWS DevOps, **Team city/Octopus, and Jenkins/Octopus**.
* Used PowerShell scripting for automation of deployments and for procuring Virtual Machines in AWS and GCP.
* Developed scripts for build, deployment, maintenance, and related tasks using **Jenkins, Maven, and Groovy.**
* Automate the processes using PowerShell and windows command shell.
* Also have experience on implementing and managing continuous delivery systems and methodologies on AWS and created END-END Automation with CI Procedures using Jenkins & automated Maven builds by integrating them with Continuous Integration tools **Jenkins.**
* Wrote Ansible playbooks from scratch in **YAML.** Installing, setting up & Troubleshooting **Ansible**, created and automated platform environment setup.
* Written some Groovy scripts for setting up LDAP configuration for Jenkins using security matrix.
* Used Ansible to deploy **ELK (Elastic search, Log stash and Kibana**) for automating continuous deployment (CD) and configured Slave Nodes and deployment failure reporting.
* Used grunt, gulp and webpack as a build tool on **NodeJS** projects for the development of build artifacts.
* Created Docker images using a Docker file, worked on Docker container snapshots, removing images and managing Docker volumes and expertise in setting up Docker Host, Docker Registry, RHEL/ Centos Atomic Host, Docker images (Centos, RHEL and Ubuntu instances).
* Developed DevOps Scripts in Groovy to automate and collection analysis of **Cassandra.**
* Worked on Docker architecture, creating Microservices for multi clustered platform and orchestrating multiple containers using Kubernetes.
* Used configuration management tool like Ansible to automate tasks and to deploy applications.
* Used **Kubernetes** to deploy scale, load balance, scale and manage Docker containers with multiple names spaced versions using helm charts.
* Integrated tools like **Jenkins, Splunk, and SonarQube** in day-to-day build and release process.
* Built a Jenkins-based CI/CD pipeline, speeding product deployment and allowing greatly improved testing of all aspects of the deploy process.
* Implemented **Ansible** to manage existing servers and automate the build/configuration of new servers.
* Configured Jenkins to implement nightly builds on daily basis and generated change log that includes changes happened from last 24 hours.
* Coordinate/assist developers with establishing and applying appropriate branching, labelling/naming conventions using **GIT** source control.
* Part of the DevOps team responsible for containerization efforts and migration of **Java** apps to **OpenShift** Enterprise.
* Knowledge about Splunk architecture and various components (indexer, forwarder, search head, deployment server), Heavy and Universal forwarder, License model.
* Created scripts from scratch to automate tasks using **bash** **shell** scripting and **python** scripting and wrote **Python** modules to view and connect the **Apache** Cassandra instance.
* Performed technical expertise for Windows systems environments on issues related to servers, local services, data centers, and server configuration.

**CME Group, Bangalore, Karnataka Mar 2017 – Nov 2018**

**DevOps Cloud Engineer**

**Environment:** Bash, Linux/Unix, CI/CD, GIT, SVN, Hudson, Jenkins, Ant, Maven, AWS, VDI, VPC, Route53, EBS, EC2, S3, RDS, Cloud watch, Cloud Formation, Docker, AWS Auto Scaling, Python, Ruby, Shell scripting.

**Responsibilities:**

* Worked with a team of highly motivated professionals focused on innovative solutions that meet quality and deadline constraints.
* Worked on designing and deploying AWS solutions using **EC2, ECS, S3, RDS, EBS, Elastic Load Balancer and Auto scaling groups.**
* Administered setting up of private networks and sub-networks using Virtual Private Cloud (VPC) and creating security groups to associate with the networks in AWS.
* Implemented and maintained the monitoring and alerting of production and corporate servers/storage using AWS Cloud watch.
* Optimized volumes and EC2 instances & Created Multi Availability Zone VPC instances.
* Ability to troubleshooting network services and protocols such as **TCP/IP, DNS, AD, LDAP, SSH, FTP, NFS, NIS, AUTOFS, SMTP, SSL, HTTP, IIS and Apache.**
* Creating scripts in DSL Groovy which integrate with Jenkins for Automation to create seed jobs.
* Worked with various CI/CD tools like **Hudson/Jenkins, Sonar, Subversion**, and Team foundation server, AccuRev and Nexus, Artifactory.
* Worked on creating deployment scripts using PowerShell and automated multiple daily maintenance tasks using **PowerShell.**
* Responsible for designing and deploying best SCM processes and procedures with **GitHub, GIT.** Familiar with analysing and resolving conflicts related to merging of source code for clear case.
* Using **VMWare ESXi Server and VSphere** Client (combination) to manage VMs.
* Installing, upgrading and configuring Linux Servers using Kickstart as well as manual installations and the recovery of root password.
* Installing and configuring SSH encryption to access securely on **QNX and Red hat Linux.**
* Integrated QTP kickoff scripts as Post DEV Deployment steps to return smoke test results.
* Worked on branching, tagging and maintaining the version control and Build pipe line with TFS and GITHUB.
* Experience in setting up Upstream and Downstream Jobs and pipelines in Jenkins.
* Analyzed and Converted ANT scripts to MAVEN to standardize the procedures.
* Implemented detailed systems and services monitoring using Nagios and Zabbix and wrote custom health checks to reduce notification noise and automate service restarts.
* Circled with partnership projects and presented the overview of the Splunk by performing proof of concept with sample logs.

**GlobalLogic, India Jan 2015 – Jan 2017**

**First Level Support Engineer**

**Environment:** SVN (Subversion), Hudson Ant, Maven, Jenkins, JIRA, Mockito, Shell/Perl Scripting, WebSphere, UNIX.

**Responsibilities:**

* Adapting **Jenkins/Hudson** for Configuration Management, release management and build management.
* Coordinate release activities with **Project Management, QA**, Release Management and **Web Development** teams to ensure a smooth and trouble-free rollout of releases.
* Designing a process for pro-automation using Jenkins in all the application environments and making sure it follows all the standard procedures of the **Application SECDM or SDLC.**
* Integrated Maven with Jenkins for the builds as the Continuous Integration process.
* Responsible for installing and configuring Jenkins master and slave nodes for windows and Linux.
* Involved in Setting up Continuous Integration Environment using Jenkins.
* Used various plug-ins to extend the base functionality of Jenkins to deploy, integrate tests and display reports.
* Configured SVN and Git with Jenkins and schedule jobs using **POLL SCM** option.
* Worked on version control system Subversion (SVN) by using source code management client tools such as Tortoise SVN and other command line applications.
* Developed build and deployment scripts using **ANT and MAVEN** as build tools in Jenkins to move from one environment to other environments.
* Involved in editing the existing ANT/MAVEN files in case of errors or changes in the project requirements.
* Worked closely with Project Managers to understand the code/configuration release scope and to confirm that a release was successful.
* Analyzed and resolved conflicts related to merging of source code for **SVN and GIT.**
* Used MAVEN and ANT as a Build Tool for the building of deployable artifacts (war & ear) from source code.
* Implemented rapid-provisioning and life-cycle management for Ubuntu Linux using **Ruby/Bash scripts.**
* Worked on in documenting and automating the build and release process.
* Working on Deployment procedures using middleware like Web sphere, creating deploy scripts and setting for the Production Release.
* Coordinate with **Oracle DBA** to tune the performance of **DB instances.**
* Monitoring applications health through the dashboard. Maintained Nexus administration tasks.
* Monitored System performance using Nagios.

Deployed the applications to WebLogic Application Server and static content to Apache Web servers.

**Education:**

**Bachelors ‘in Computer Science from JNTU-HYD 2015**

**Master’s in computer science from Governors State University2021**