**PRIYANKA**

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**Professional Summary**

* Around **8 Years** experience in IT industry as a **DevOps/Build & Release** engineer comprising of automating, building, deploying, and releasing of code from one environment to another environment.
* Experience in working with best Software Configuration Management principles (SCM) in Agile, Scrum, and Waterfall methodologies.
* Worked in Server infrastructure development, configuring and maintaining on **AWS Cloud**, which includes EC2, IAM, RDS, S3, EBS, Route53, DNS, ECS, VPC, CloudFormation, CloudWatch, Redshift, Lambda, DynamoDB, Elastic Load Balancing, Auto Scaling, and Security Groups.
* Experience in creating Application-based and infrastructure AMI’s using **Packer**, **Ansible,** and **Jenkins Pipelines**.
* Involved in requirement gathering, analytics, and machine data indexing.
* Used monitor text files and converted their contents into Syslog messages.
* Involved in Proof of concepts on **Splunk** implementation Mentored and guided other team members in understanding the case of Splunk.
* Involved in applying software configuration management processes to projects, setting up and maintaining **GIT/GITHUB** infrastructure, and supporting a continuous delivery model by automating software build and package emigration processes.
* Hands-on experience in configuring **Ansible, Puppet, Chef,** and Git to install, configure, applying patches, and build Linux machines for Dev/QA and Prod environments.
* Experience in Branching, Merging, Tagging, and maintaining the version across the environments using SCM tools like Subversion (SVN), GIT (GitHub, GitLab).
* Experience in setting up code repositories like SVN, GIT, and TFS and managed Jenkins plugins for scheduled automatic checkout of the code.
* Designed and created multiple deployment strategies using Continuous Integration and Continuous Deployment Pipelines using **Jenkins,** and **Circle CI.**
* Experience in setting up the CI/CD pipeline using Jenkins, **Maven, Nexus, GitHub, Chef, Terraform, and AWS.**
* Expertise in creating Multi-branch pipelines for Environment deployments.
* Experience in Bug Tracking tools like **Jira**.
* Developed continuous integration pipeline using Jenkins and developed various Python scripts for deploying the applications on the AWS cloud and on-premises VMware Infrastructure.
* Experienced with **ServiceNow**, patching, troubleshooting, and securing servers with regular firewall updates and monitoring.
* Expertise in using build tools like **MAVEN** and **ANT** for the building of deployable artifacts such as war & ear from source code.
* Installed/Configured and Managed **Jfrog** and **Nexus** Repository Manager and all the Repositories.
* Hands-on experience in configuring Chef Server Enterprise on-premises, workstation bootstrapped the nodes using knife and automated by testing Chef Recipes, Cookbooks with test-kitchen and chef spec.
* Application Deployments & Environment Configuration TFS using Chef, Puppet.
* Hands-on experience in establishing a **New Relic, Splunk** machines in the Amazon Cloud (AWS) to demonstrate the capabilities of monitoring tools.
* Extensive experience in installing, configuring, and administering the Jenkins CI tool on Linux machines. Used Jenkins pipelines to drive all Microservices builds out to the Docker registry and then deployed to Kubernetes, created Pods, and managed using **Kubernetes**.
* Experience in creating Docker images and deploying them into **AWS ECR** and Jfrog Artifactory Repository.
* Experience in automating deployments on Application Server JBoss, Tomcat.
* Developing Ant and Maven scripts to automate the compilation, deployment, and testing of Web and J2EE applications to the above platforms.
* Define Business Process, identify the risk, analyze risk, and provide baseline acceptance criteria and deliverables.
* Experience in configuring Rest API'S and Web API'S and troubleshooting issues.
* Experience with **Linux/UNIX** environments and scripting for Build & Release automation.
* Installed, Configured, and managed Linux/Unix servers (RHEL, CentOS), windows for applications build and release along with patching, troubleshooting, and updating network and security tools on VMware.
* Proficiency in scripting for automation & monitoring using **Shell Bash, PowerShell, PHP, YAML, and Ruby scripts.**
* Strong technical skills with Linux/Unix systems.
* Experience in protocols like TCP, and IP for configuring IP addresses, static routes, and troubleshooting network problems.
* Excellent communication skills and ability to learn new things and be highly motivated.

**Technical skills:**

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| Operating System | RHEL, CentOS, Ubuntu, Unix, Solaris, Windows, MacOS. |
| Cloud Platforms | AWS, Azure. |
| Version Control | Git, GitHub, Bitbucket, Code cloud. |
| CI and Build Tools | Jenkins, ANT, Maven, Circle CI |
| Configuration Management Tools | Chef, Puppet, Ansible. |
| Containerization Tools | Kubernetes, Docker, OpenShift |
| Application/Web Server | Tomcat, Apache, JBoss, Web Logic & Web Sphere |
| Testing and ticketing tools | SonarQube, JIRA, ServiceNow |
| Monitoring and Logging Tools | Nagios, Splunk, New Relic, Sensu |
| Scripting | Shell Scripting, Ruby Scripting, Power Shell, YAML Perl |
| Database Systems | SQL Server, MySQL, SQL Server, NoSQL, Mongo DB |
| Web Technologies | HTML5, CSS, XML |

**Professional Experience:**

**Client: Verizon Oct 2022 – Till Date**

**Role: AWS/DevOps Engineer**

**Location: SanJose, CA**

**Responsibilities:**

* Worked with **AWS Cloud services** like VPC, Route53, Auto scaling, cloud front, cloud watch, subnets, EC2, S3, Aurora, Dynamo DB, AWS glue, ECS, RDS, SNS, SQS, IAM, Lambda for managing its security on RHEL, CentOS Servers.
* Responsible for changing over the existing AWS infrastructure to serverless architecture (AWS lambda) through the creation of Serverless architecture and Lambda, API gateway, Route53, and S3 buckets.
* Responsible for building Infrastructure and Application **AMI’s**, testing, and deploying to respective environment.
* Configured **Splunk** Searching and Reporting modules, Knowledge Objects, Administration Data ingestion, Add-ons, Dashboard, Index Cluster, and Forward Management.
* Designed and maintained a complex Splunk dashboard on enterprise and enterprise security.
* Created and configured KPI’s in Splunk IT Service Intelligence ITSI.
* Configured Splunk for dynamic analytics and machine data indexing.
* Involved in applying software configuration management processes to projects, setting up and maintaining **GIT/GitHub** infrastructure, and supporting a **continuous delivery** model by automating software build and package migration processes.
* Written AWS Cloud formation templates in both JSON and YAML to manage all the applications located in multi-region architecture that results in providing all the resources to run the multi-tier applications successfully.
* Integrated terraform to create a version of AWS infrastructure, designing, automating, implementing, and sustainment of **Amazon machine images** across the AWS cloud environment. Created **AMI’s** and snapshots for backup and disaster recovery.
* Managed source code and **chef code repositories** in GIT and worked on **version control systems**. Used serverless and EC2 servers chef for bootstrapping nodes to deploy chef code.
* Worked with version control systems or source code repository tools like **GIT & Bit Bucket** to maintain and troubleshoot the CM tool in UNIX and Windows environments.
* Used shell scripting like power shell, Ruby for merging, branching, and automating the processes across different environments and automating routine tasks.
* Worked on integrating Docker container-based test infrastructure on **Jenkins** CI test flow and setup build environment integrating with GIT and JIRA to trigger builds using web Hooks and slave machines.
* **Kubernetes** is used to orchestrate the deployment, scaling, and management of docker containers along with AWS Cloud watch to monitor the dockers.
* Managed and designed integrated build pipelines using **continuous integration** workflows and deployed the artifact into Nexus. Created the latest artifact in Nexus and push automation code to the chef server.
* Developed, build, and deployed scripts using **ANT** and **MAVEN** as build tools in Jenkins to move from one environment to another environment and create new jobs and branches through Jenkins.
* Worked with different build automation tools like Jenkins and Maven to achieve end-to-end automation and was responsible for installing Jenkins master and slave nodes.
* Created and configured **chef cookbooks** for configuring and managing the AWS such as EC2 instance creation and termination.
* Monitored **docker** build containers by integrating application logs with Splunk and wrote queries for monitoring and alerting.
* Configured **SonarQube scanner** for code analysis, finding bugs, and checking the quality level of code.
* Administrated Jira which includes customizing JIRA projects with various schemas, complex workflows, screen schemas, and permission schemas. Setting up JIRA as a bug-detecting system and configuring various workflows.
* Implemented, Configured, and managed secured environments using SSL and digital certificates for client authentication and data encryption.
* Created monitors, alarms, and notifications for EC2 hosts using **cloud watch** and configured multi-platform servers using Nagios.
* Integrated Jenkins with tools like selenium for automated functional testing and implemented unit testing using selenium and cucumber.
* Developed power shell scripting to work with the TFS object model to utilize for more repeatable, automated processes and tasks.

**Environment**: AWS: EC2, Lambda, Route53, Auto scaling, Cloud Front, Cloud Watch, ECS, GIT, Maven, Jenkins, ANT, JIRA, Ruby, Python, Terraform, Chef, Docker, Nagios.

**Client: College Board Jan 2021 – Sep 2022**

**Role: AWS Engineer**

**Location: Virginia**

**Responsibilities:**

* Installing, upgrading, configuring, tuning, security, backup, recovery of Red Hat Linux using Kickstart Servers and interactive installations.
* Was part of the Cloud Engineering team for a Cloud Migration Project where all the business applications are moved into the AWS Cloud.
* Worked on building the infrastructure for internal teams like Ansible Tower, Terraform.
* Enterprise, Jenkins, Artifactory, Consul/Vault to automate the CICD process.
* Was a part of Infrastructure as a code (IAC) and AD integration to AWS projects where I had to build the required resources like hosts, RDS cluster for Ansible, and built resources for Ansible Tower and Terraform Enterprise **(TFE)** using **Terraform**.
* Experience in writing **Terraform** scripts for provisioning the infrastructure in AWS, especially creating modules that are static and generic for all resources in **AWS**.
* Built resources like VPCs, hosts (EC2), Application load balancers, Microsoft Active Directories, S3 buckets, etc. using **Terraform**.
* Experience in Building Application specific AMI’s in a timely manner and responsible for notifications.
* Migrated huge amounts of data from one artifactory to another artifactory.
* Responsible for creating Jenkins’s pipeline template and multi-branch pipelines for application teams.
* Created Environment based pipeline from build prod deployments and helping application developers train with pipelines.
* Deploying War, Ear, release, and snapshot to Jfrog antifactory and using those latest builds to different environments.
* Responsible for creating Java Docker images and NodeJS docker images and deploying them to Jfrog Artifactory Registry.
* Configuring New Relic APM and infrastructure monitoring and creating custom Matrix for all servers.
* Worked on **Ansible**, used YML packages for installing and configuring push to make changes in time.
* Experience in writing **Ansible** playbooks to deploy automated tasks to many servers.
* In **Ansible**, worked with playbooks, tasks, roles, facts, and templates for VAR files.
* Also configured files by conditions by keeping dynamic values and triggering YML/YAML files using **Ansible**.
* Experienced in using tools like ServiceNow, Jenkins, etc.
* Worked on setting up SSH with **YML** configurations, choosing packages, specifying tasks, etc.

**Environment**: S3, EC2, IAM, Cloud Front, Jenkins, Maven, Docker, Kubernetes, Puppet, Ansible, GIT, JIRA, Sona type Nexus Repository, Nagios.

**Client: Centene Corporation Nov 2019 – Dec 2020**

**Role: Cloud/Release Engineer**

**Location: St. Louis**

**Responsibilities:**

* Was part of the BIRD team (Build-Infra-Release-Deploy) where my responsibilities are to maintain Pipelines, **Github** repositories, etc.
* Experience in creating, configuring, and maintaining Amazon **EC2** virtual servers.
* Created various IAM roles and policies to give permissions to various services in AWS.
* Created a whole pipeline using Code Build, Code Deploy, **Cloud formation**, **AWS Lambda, Code Pipeline** and deployed application to **EC2** and to the **K8 Cluster**.
* Created various cloud formation stacks by writing AWS **Cloud formation templates**.
* Used **Amazon S3** to upload the lambda functions created and **IAM** to create multiple Access to users and groups.
* Responsible for maintaining the pipeline from the source stage to the release stage in all Environments (Development, analytic and Production environments).
* Created and wrote **lambda functions** in **Python** to upload code and check for the changes in **S3**.
* Responsible for build and deployment automation using VM Ware ESX, **Docker containers**, and **Ansible.**
* Created, pulled, and build various Docker images through the command line interface and pushed it to **Docker** Hub and thereby to **AWS.**
* Building the source code from the repository to automate the build process.
* Implementing a Continuous Integration and Continuous Deployment framework using **Jenkins**, and **Maven** in Linux environment.

**Environment:** AWS: EC2, Lambda, Route53, Auto scaling, Cloud Front, Cloud Watch, ECS, GIT, Maven, Jenkins, ANT, JIRA, Ruby, Python, Terraform, Chef, Docker, Nagios.

**Client: Waltair Information Technologies PVT LTD Aug 2017 – July 2019**

**Role: Cloud/Release Engineer**

**Location: India**

**Responsibilities:**

* Installing, upgrading, configuring, tuning, security, backup, recovery of **Red Hat Linux** using Kickstart Servers and interactive installations.
* Responsible for creating a new file system and configuring volume groups, creating swaps, monitoring volume groups, configuring logical and physical volumes, and managing the file system.
* Responsible for security management and gave correct permissions to each user and group based on company policies.
* Used version control systems like **Git** and **SVN**. Involved in migration from SVN to Git. Connected continuous integration system with Git version control repository.
* Managed and administrated GitHub repositories and related permissions including branching and tagging.
* Worked with **Jenkins** continuous integration tools including installation, configuration of jobs, pipelines, security setup, and integrated with tools like **ANT** and **Maven** to schedule the jobs.
* Install, configure, and maintain Jenkins for maintaining continuous integration and for end-to-end automation for all build tools like ANT, Maven and deploy in various servers.
* Developed shell scripts, Perl scripts, Ruby scripts, Python scripts and was involved in **Power Shell**. Modified pom.xml to support new deployment plans for new servers.
* Configured **docker** and created docker files for different environments and deployed docker engines in virtualized platforms for the containerization of multiple apps.
* Authorized Pom.xml files and perform release with MAVEN release for Java projects and manage Maven repositories and analyzes the Maven build projects.
* Integrated Unit test and code quality analysis tools to find bugs and check styles. Used Junit testing for unit testing and selenium testing for regression testing.
* Developed chef cookbooks to install and configure **Apache, tomcat, Splunk,** and **Jenkins**. Written chef cookbooks and tested using kitchen and automated deployment by integrating chef cookbooks into Jenkins for continuous delivery.
* Build end-to-end continuous integration/continuous deployment pipelines in Jenkins to retrieve code, compile applications, perform tests, and push the build to Nexus.
* Monitoring and logging for the systems that are running on clouds using tools like Nagios and Splunk. Troubleshooting and monitoring various 3rd party applications using cloud watch in the AWS environment.
* Installed nexus repository tool to maintain the artifacts or dependencies jars using GIT repository and deploy all the artifacts into nexus working with Jenkins.

**Environment:** Linux, GIT, SVN, Jenkins, ANT, Maven, Perl, Ruby, Python, Docker, Networking, Chef, Apache, Splunk, Cookbooks, Nagios.

**Client: Green Byte Technologies Jun 2015 – July 2017**

**Role: Linux Admin**

**Location: India**

**Responsibilities:**

* Installing, upgrading, configuring, tuning, security, backup, recovery of Red Hat Linux using Kickstart Servers and interactive installations.
* Administration of **RHEL** versions which includes installation, testing, upgrading, tuning, loading patches, and troubleshooting.
* Build development RHEL Linux server including WebSphere application servers, Apache web server, MySQL based solutions to assist developers.
* Installation and administration of Linux and setting up RAID levels for protected data storage for fault tolerance.
* Implemented RAID techniques and creation of disk groups and volumes using a volume manager.
* Perform daily activities like monitoring backup servers, performing database backups, application backup, system backup, updating software, and cleaning junk content.
* Installed, and configured **Apache tomcat server**, load balancer server, and maintained it. Used Tomcat web logic, and web sphere for deployments.
* Installation of database on Linux servers associated with database administrators.
* Configured protocols like **TCP/IP** and subnetting **DNS, NIS, LDAP,** and DHCP. Involved in troubleshooting, setting, and changing Volans, ports, and subnets on switches within WAN.
* Worked with various protocols like HTTP, POP, FTP, TCP/IP, HTTPS, and SMTP for assigning IP addresses, providing routes, giving host names, and providing security.
* Worked with application teams to set up, configure, install, and manage applications on standalone and cluster servers.
* Managed user administration using the active directory on Windows and LDAP on Linux servers.
* Managed patch configuration, version control, service pack, and review connectivity issues regarding security problems and implemented NFS, DNS, and LDAP-related issues.

**Environment:** Linux, Tomcat server, Networking, TCP/IP, NFS, DNS, NIS, DHCP, LDAP, RAID, RHEL,Aapplication server, Apache server, Load Balancer, Web sphere, MySQL database.