**SANKET PATHAK**

PHONE: +1- (610) 943-1468

E-MAIL ID: sp8581833@gmail.com

**Professional Summary**

* Extensive 12+ Years of experience in the 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 another 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 centers, and AWS and managing full AWS lifecycle, provisioning, automation and security.
* Hands on experience on Azure Migration.
* Excellent design and programming skills in Java/J2EE, JavaScript, Struts, Spring, Angular js
* Experience in Spring Framework such as Spring Boot, Spring Batch, Spring IOC, Spring Resources, Spring JDBC, Spring Source.
* Well versed with build automation using tools such as GitLab, Bitbucket, Jenkins, Team foundation Server, Hudson, Gradle and Maven.
* Experience in developing User Controls and Custom Controls using C#.
* Experience in SQL databases Oracle, MySQL and NoSQL database, Dynamo DB.
* Integration of Maven/Nexus, Jenkins, Urban Code Deploy with Patterns/ Release, Git, Confluence, JIRA and Cloud Foundry.
* Expert in Java/JavaScript programming. Experience with Node Js and React Js.
* Implemented the initial Windows containerization support for Cloud Foundry
* Expertise in setup and implementation of concept of monitoring and logging. Specially using   
  tools like - Grafana, AppDynamics, Datadog, CloudWatch
* Good understanding of PAAS platforms like Amazon Web Services (AWS), OpenShift, Microsoft Azure, and Pivotal Cloud Foundry.
* Experience with containerization and clustering technologies like Docker, Mesos, Docker Swarm and Kubernetes.
* Worked in container-based technologies like Docker, Kubernetes and Openshift.
* Extensively worked on Jenkins for Continuous Integration.
* Experience with various CICD Tools: Jenkins, Git, Artifactory, Ansible, Chef/Puppet and Docker.
* Experience in AWS Cloud platform and its features which includes EC2, VPC, EBS, AMI, SNS, RDS, EBS, Cloud Watch, Cloud Trail, Cloud Formation AWS Config, Auto scaling, Cloud Front, IAM, S3.
* Good understanding of Open shift platform in managing Docker containers.
* 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, Bit bucket 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, bit bucket, 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, Pager Duty, App Dynamics, Splunk and Nagios.
* Hands on experience on Amazon EC2 cloud deployments using DevOps tools like Jenkins.
* Experience on installation, configuration, maintenance and troubleshooting of red hat Linux, Ubuntu, Fedora, CentOS, and some Windows Servers.
* Experience in packer scripting to create and manage AMI for source configurations and used those in Hashicorp platforms.
* Expertise in installation, configuration and management of relational databases such as Oracle, MySQL, MS SQL Server and Excellent knowledge in working with NOSQL databases like Dynamo DB and Cassandra.
* Responsible for designing and deploying new ELK clusters (Elastic search, Logstash, Graphite Kibana, beats, Kafka, zookeeper etc.
* Experience in hashicorp, dynamodb and mongodb to manage the workflow in git codes and reuseable configurations and manage the databases within infrastrutcture for QA and production environments.
* 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.
* Good hands-on experience with automating various Cron jobs and notification process.

**Technical Skills: -**

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| **Cloud platforms**:- | Microsoft Azure, AWS, OpenStack, PCF |
| **Configuration Tools** :- | Chef, Puppet, Ansible, Salt Stack |
| **Containerization& Orchestration**:- | Tools Docker, Mesos, Docker Swarm, Kubernetes,packer |
| **CI/CD Tools:-** | Hudson/Jenkins, Bamboo |
| **Build Tools:-** | Ant, Maven, Gradle |
| **Source control Tools-** | Subversion (SVN), GIT, GIT Hub, Bit bucket |
| **Operating Systems:-** | Windows, UNIX, LINUX/RHEL, CentOS, Ubuntu |
| **Monitoring Tools:-** | Splunk, ELK, CloudWatch, AppDynamics, Grafana, Datadog |
| **Languages & Scripting:-** | C, C++, Perl scripting, Shell scripting, SQL, Java Script, J Query, Bootstrap, XML, JSON, XPATH HTML, CSS |
| **Web Servers**:- | Apache Tomcat, Nginx, JBOSS, WebSphere |
| **Databases**:- | Oracle, SQL SERVER, MY SQL, DB2 |
| **Artifact Repositories:-** | NEXUS, Jfrog |

**Professional Experience: -**

**Fiserv-Atlanta,GA Dec-2023-Present**

**Sr. Devops Engineer**

**Responsibilities:**

* Experience as a DevOps engineer in AWS CDK which includes provisioning of AWS cloud infrastructure for billing-invoicing and marketplace applications.
* Worked on AWS CDK (cloud development kit) to build pipelines for provisioning of cloud formation stack to create and deploy ECS clusters, Elasticache redis clusters, load balancers.
* Experience in setting up SQS, SES identities, SNS for different applications to provide billing invoices and merchant solutions for different applications.
* Worked on AWS secret manager to create secrets and store key value secrets as per the requirements.
* Developed CI/CD pipelines for different applications and CDK in Gitlab. Used gitlab-ci.yml and CDK to create cloudformation stacks for the provisioning of AWS resources.
* Checked and established database connectivity through tufin requests.
* Experience in working with monitoring tools such as Grafana and CloudWatch to monitor requests, responses and error tracking.
* Provisioning of S3 buckets and policies and setting up lifecycle rules for deletion of objects stored in s3 buckets after certain interval.
* Setup security scans such as sonatype and build breaker scans for web applications to enhance security measures for certain applications.
* Experience in working with python to create lambda functions for setting up eventbridge rules and scheduled tasks in ECS. Updated cron jobs to trigger the rules as per requirements.
* Worked on running lucidscale on aws accounts to gather data from AWS architecture and resources.
* Created Route53 DNS records and assign those records to load balancers. Created listenersfor load balancers.
* Experience in working with jacoco code coverage to run tests cases on applications deployed in staging and production environments.
* Worked on Jira tasks and provided updates on tasks in daily stand up.

Environment:  
Gitlab, AWS CDK, Docker, Jacoco code coverage, cloudwatch,Grafana, ECR, ECS, Route53, EC2, python, SQS, SES, SNS, aws secret manager  
 **SiriusXM Radio, Inc - Atlanta,GA**

**Cloud DevOps Engineer Jan 2020-Nov 2023**

**Responsibilities:**

* Experience as an operational reliability engineer with AWS, RESTful service calls, and troubleshooting which includes proactively monitoring, optimizing, and troubleshooting to maintain operational excellence.
* Worked on Jenkins build pipelines, deployed different microservices in Jenkins, and ran automation for internal testing.
* Utilized Datadog APM (Application Performance Monitoring) tool to monitor and analyze applications, services, requests, responses, and error rates. Identified and addressed performance bottlenecks and issues in real-time.
* Experience in collaborating with development teams to ensure the reliability of RESTful APIs and troubleshooting and resolve issues related to service calls and integrations.
* Integrated SonarQube with Jenkins for continuous inspection of code quality and analysis with SonarQube scanner for Maven.
* Developed forms for user event handling and validations using JavaScript and AJAX.
* Used GitLab for continuous integration and continuous development.
* Developed Sales and Margin module using Spring Boot, Microservices.
* Development web service using Windows Communication Foundation and .Net to receive and process XML files and deploy on cloud Service on Microsoft Azure.
* Developed business logic and created data access layer for the various modules using C# under the .NET framework 4.5 and controller action method were developed
* Worked with OpenShift platform in managing Docker containers and Kubernetes Clusters.
* Utilization of monitoring tools such as Grafana, Datadog, AppDynamics, and Cloud watch to monitor requests/responses, and error rates and investigate the issues by checking logs with Charles proxy and monitoring the environment during deployments observability.
* Responsible for day-to-day management of all development and Test Various .Net based enterprise applications.
* Implemented the initial Windows containerization support for CloudFoundry,Helped maintain CloudFoundry Buildpack for a few months also worked on Diego the orchestration and scheduling subsystem of CF.
* Experience in utilizations of Opsgenie tools in the investigation of incidents/outages, identifying root causes, and implementation of preventive measures. Worked closely with cross-functional teams to resolve issues and improve system reliability.
* Implemented Spring Boot Micro services to divide the application into various sub modules.
* Enforcing code quality control by performing refactoring and enhancing test coverage through SonarQube/ Lint.
* Integrated GitLab into Jenkins to automate the code checkout process.
* Hands-on experience in Datadog to monitor metrics, and error rate and maintain threshold rate for any anomalies and send alerts for anomalies or any issues if threshold rate is higher for error rate or requests or responses.
* Experience in working on AppDynamics tools to monitor the error rate on different tiers and nodes for every microservice and installing and configuring AppDynamics agent for the instances for monitoring purposes.
* Experience in creating, maintaining, and updating Cassandra DB tables and updating the schema as per the requirements.
* Experience in working on GitHub repository and update config change and deploy in Jenkins pipelines.
* Created Grafana dashboards for environments to monitor error rate, requests, responses, 5xx error rate in load balancers and get notifications and alerts for certain errors and exceptions.
* Worked on IAM roles and policies and updated trusted entities to provide cross-account access to certain cloud repositories.
* Extensive experience of Object Oriented JavaScript design pattern and JavaScript MVC Patterns Preferably Angular JS for building UI Widgets and Application logic.
* Developed data formatted web applications and deploy the script using JavaScript.
* DAL Developed with Entity Framework, Business Entities and exposed Data Context in the data access layer using C#
* Developed and maintained automation scripts using Python. Automated repetitive tasks to enhance system reliability and efficiency. Created automation tasks with shell scripts using bash and python.
* Experience in Updating cloud formation templates and AMI and deploying in the required environment. Update Instance types for ECS clusters in terraform template to utilize a higher range of Ips in production environments, deploy those in respective environments, and recycle the hosts accordingly.
* Worked on Redis clusters to update the cluster cache size as per the requirement and deploy the same with recycling the hosts.
* Used OpenShift Container services for coordinating cluster over docker and scheduling workflows.
* Experience in managing and notifying through alerts for expiring certs in Imperva certs management.
* Experience in Route53 in pointing the vanity URLs to required environment load balancers. Creating cname and R53 records as per the requirements.
* Adding and removing radio IDs for certain environments in Redis web for testing purposes and enabling Boolean flags for particular radio IDs in Cassandra DB tables as requested by the QA team.
* Worked on Jira in updating and creating the issues and updated the same with work progress.
* Experience in CLI and bastion servers with scripting commands and accessing the hosts for particular instances.
* Experience in managing AWS resources such as EC2, IAM, S3, ECS, ELK, Redis, Elsaticache, CloudFormation, CloudWatch R53, and configuration for complex issues in investigation, resolution, and troubleshooting of the resources and applied the same for cost estimates purpose as well.
* Build and deploy CI/CD pipelines using Jenkins and utilize some services through TeamCity for the build process.
* Experience in running automation jobs post-deploy to investigate and troubleshoot the failures in automation reports.
* Worked on Jira, savage beast Jira, and Confluence for documentation of steps involved in assigned tasks and documenting runbooks for investigation and troubleshooting of the Opsgenie issues as per the requirements and priority of the tasks.
* Experience in Service Now and utilized ServiceNow to raise and track tickets to grant access for services and environment and process and catalog the raised ticket for IT services.

**Environment:** AWS, Terraform, Jenkins, GitHub, AppDynamics, Cassandra DB, Opsgenie, Datadog, Grafana, EC2, IAM, S3, ECS, Kibana, Jira, TeamCity, ServiceNow, Hashicorp, MongoDB

**Orlando Utilities Commission, Orlando, Florida Jan 2019 – Dec 2019**

**DevOps/Cloud Engineer**

**Responsibilities:**

* Worked on AWS Cloud Formation templates to create custom-sized VPC, subnets, EC2 instances, ELB, and security groups. Worked on tagging standards for proper identification and ownership of EC2 instances and other AWS Services like Cloud Front, Cloud Watch, OpsWork, RDS, ELB, EBS, S3, glacier, Route53, SNS, SQS, KMS, Cloud Trail, and IAM.
* Used SonarQube in maintaining quality code by refactoring complexities and enhancing test coverage.
* Utilization of tools such as Splunk, App Dynamics, and Nagios, as well as creation tools via bash scripting, to identify opportunities for pro-active support and minimalization of down/outage time.
* Implemented script for GitLab Continues Integration/Continues Delivery (CI/CD) & automatic unit testing.
* Extensive use 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.
* Build highly available content distribution sites by using CI/CD tools like Ansible, Docker, Maven, Jenkins, Jira, Kubernetes, etc.
* Worked on Java 8 Streams and on lambda expressions.
* Coded extensively using JavaScript, Angular JS to make rich internet web application for a Single page app.
* Developing the Micro Services using Spring Boot that create, update, delete and get the assignment information from backend.
* Used Spring Boot for the application development. Designed the system based on Spring MVC architecture. Developed a business logic layer using Spring Framework.
* Designed and developed web application using Angular, ASP.NET MVC and Entity Framework.
* Developed business logic and created data access layer for the various modules using C# under the .NET framework 4.0 and controller action method were developed
* Autoscaling Cloud Infrastructure based on traffic request for cost optimization
* Worked on several python packages like Numpy, shutil, Beautiful Soup, Pickle, Python-gitlab.
* Used gitlab distributed version control tool to coordinate team development and utilized Python Libraries like Boto3, numPY for AWS.
* Worked in container based technologies like Docker, Kubernetes and Openshift.
* Designed and Implemented Cloud Orchestration solutions using Google Cloud, AWS EC2, and Kubernetes.
* Created service instances of MySQL, MongoDB, and Redis in pivotal which are used by Microservices.
* Developed Kafka producer and consumers, HBase clients, Spark, shark, Streams, and Hadoop MapReduce jobs along with components on HDFS, and Hive.
* Automation of Kubernetes infrastructure setup using Terraform and Shell Scripting in the Cloud
* Automated the installation of Cloud Watch log agents through the Cloud formation template to monitor the system logs of multiple EC2 instances.
* Using CCS3, jQuery, HTML5, Tag libs, and Bootstrap in front-end programming using JavaScript for presentation views
* Migrating Services from On-premise to Azure Cloud Environments.
* Wrote unit and end-to-end tests using mocha, jasmine, and protractor. Used sonarqube for code quality analysis.
* Created Terraform modules to create instances in AWS & automated the process of creation of resources in AWS using Terraform.
* Improved the performance of an ASP.NET MVC application by taking advantage of the output cache.
* Wrote Puppet manifests for deploying, configuring, and managing collected for metric collection and monitoring.
* Exposure to cloud services like Amazon AWS, Microsoft Azure, and Google Cloud Platform (GCP).
* Implemented Automated Application Deployment using Puppet. Configured Apache web server in Linux using Puppet automation and managed Java applications across Linux servers.
* Deployed java applications to application servers in agile continuous integration environment and automated the whole process and maintained GIT HUB in processes of branch management
* Worked with hosted Chef, workstations installation with knife utility, bootstrapped nodes, wrote recipes and cookbooks uploaded them to Chef-Server, installed servers/OS, applications, services, packages using Chef.
* Used Chef for Infrastructure as Code (IaC) and deployment automation, created many custom cookbooks, recipes according to requirement. Used Berkshelf to upload the cookbook dependencies.
* 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.
* Cost Optimization by utilizing the AWS services like CloudWatch Alarm creation against CPU utilization; Autoscaling and Reserved Instances.
* Created inventory in Ansible for automating the continuous deployment and wrote playbooks using YAML scripting.
* Worked on Continuous Integration CI/Continuous Delivery (CD) pipeline for Azure Cloud Services using CHEF.
* Worked with Docker containers infrastructure and Continuous Integration for building and deploying Docker containers.
* Worked on Terraform provider for AWS to Provision AWS services to automate the infrastructure setup and configurations deployment.
* Created Docker images from scratch and customized them as per the requirement, along with working on Docker containers, directory structure, and removing Docker images.
* Created a Jenkins pipeline to drive all microservices builds out to Docker Hub and then deployed to Kubernetes, created pods, and configured Kubernetes Replication controllers.
* Worked on Hudson/Jenkins and Team City for continuous integration and End to End automation for all build and deployments.
* The Java Message Service (JMS) API is used to allow application components to create, send, receive, and read messages.
* Managed code and versioning control using Git and supported the development team in resolving branching and merging issues.
* Developed Open stack API to integrate with Amazon EC2 cloud-based architecture in AWS, including creating machine Images.
* Configured Apache Maven dependency management system to deploy snapshots and release artifacts to Nexus to share artifacts across projects and environments.
* Designed and configured Azure Virtual Networks (VNets), subnets, Azure network settings, DHCP address blocks, DNS settings, and security policies and routing.
* Involved in Infrastructure setup for EMR cluster, Redshift cluster, and Qliksense EC2 Instance as POCs.
* Contribute to DB deployments and know SQL and MongoDB.
* Developed Ansible Playbooks to simplify and automate day-to-day server administration tasks.
* Set up and configured New Relic, improved monitoring and performance of the application in New Relic, and integrated the application with the monitoring tool New Relic for complete insight and proactive monitoring.
* Regularly built Jenkins builds and delivered to Artifactory.
* Hands-on experience with EC2, ECS, EKS, ELB, EBS, S3, VPC, IAM, SQS, RDS, Lambda,   
  Cloud Watch, Storage Gateway, Cloud formation, Elastic Beanstalk and Autoscaling
* Wrote shell, Bash, Perl, and Ruby scripts for day-to-day administrative tasks and for managing users and developing web applications using Python scripting language to design applications more flexibly.
* Handled Production and Non-Production MySQL databases. Scaled up and down the databases based on the requirements. Written MySQL database queries.
* End to End Infrastructure setup in AWS and on-premises Migration
* Installed, Configured, and Managed Monitoring Tools such as Splunk, and Nagios for Resource Monitoring/Network Monitoring/Log Trace Monitoring.
* Integrated Confluence, Fisheye/Crucible, Jenkins, and Bitbucket with JIRA and bamboo for the tracking of the issue and continuous integration.
* Designed a system using Kafka to auto-scale the backend servers based on the events throughput.
* Performed kick start to automate the installation process for fifteen RHEL and CentOS server units and wrote a bash shell script to create multiple accounts at once and a script to configure samba server on Linux for file sharing.
* Managed Compute Engine, Cloud Storage, Firewall rules, Service Accounts, and IAM in Google Cloud.
* Used AWS Cloud Formation and AWS OpsWork to deploy the infrastructure using Chef that is necessary to create development, test, and production environments for a software development project.
* Created a dashboard using GRAFANA to populate metrics generated from the Prometheus server.
* Deployed the applications on multiple Weblogic Servers and maintained Load balancing, high availability and Fail-over functionalities.

**Environment:** AWS, Open Stack, Terraform, Chef, Ansible, Docker, Puppet, Kubernetes, Artifactory, Jenkins, Git, Maven, New Relic, Azure, Python Scripts, Kickstart, PostgreSQL/MYSQL, Web logic.

**Synchrony Financial - Stamford, CT Jan2017 – Dec 2018**

**DevOps Engineer**

**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.
* Expertise in database technologies, like, Elasticsearch, MongoDB and Postgres
* Integrated Kafka source to read the payment confirmation messages
* Maintained code integrity and cohesiveness using Jenkins continuous integration environment. Used SonarQube to analyze code quality issues.
* Built JavaScript based test framework using cucumber js, web driver io, node.js, angular.js
* Developed and consumed JSON based RESTful services using Spring MVC and Spring Boot.
* Experience in Spring Framework such as Spring Boot, Spring MVC, Spring IOC, Spring Resources, Spring JDBC.
* Implemented microservices using Spring Boot, Spring Cloud, Spring Microservices, and
* Enabled discovery using Netflix Eureka server.
* Developed Windows Forms Application with core logic in C# for workflow development and core engine logic runtime.
* Ensure JIRA capture add-on and configure JIRA capture tool for exploratory testing, easy creation of issue with browser extension by pre-filling templates.
* Worked with OpenShift platform in managing Docker containers and Kubernetes Clusters.
* Setup servers on EC2 and Performed ELB, AUTOSCALING, CLOUD WATCH services in AWS.
* Creating manifests and deploying using Puppet to completely provision the server. Created Custom Puppet modules for bootstrapping new servers with required application dependencies and packages. Used Puppet server and workstation to manage and configure nodes.
* Developed scripts using BASH and BATCH files for Automation of Activities and builds. Automated the installation of Kubernetes single node environment on a Jenkins slave node using Kubeadm setup scripts.
* Used Puppet to manage Web Applications, Config Files, Data Base, Commands, users Mount Points, and Packages. Deployed Puppet, Puppet Dashboard and Puppet DB for configuration management to existing infrastructure.
* Designed and developed the tools to allow efficient configuration management, build and release of software developed in J2EE, XML and DB2 databases.
* Infrastructure setup and architect the solutions for the product development (public cloud (AWS) and on hybrid cloud)
* Installed, deployed and configured Chef Server Enterprise and bootstrapped the nodes using Knife and automated by testing the Chef Cookbooks with Test Kitchen.
* Created many Roles, and Environments using Chef for different environments such as Development, Testing, and Production and have experience in carrying data through Data bags.
* Wrote Ansible playbooks from scratch in YAML. Installing, setting up & Troubleshooting Ansible, created and automated platform environment setup.
* Experience on a cloud platform like AWS, Google Cloud Platform (GCP), Digital Ocean, and Microsoft Azure.
* Worked with setting up database instances in AWS using RDS, Dynamo DB, and storage using an S3 bucket and configuring instance backups and archives to Amazon Glacier archives, and configured AWS Redshift for Data Warehousing.
* Built and Deployed Java/J2EE to a web application server in an Agile Continuous Integration environment and automated the whole process.
* Experience in using AWS including EC2, Auto-Scaling in launching EC2 instances, Elastic Load Balancer, Autoscaling, S3, VPC, Route53, Cloud Watch, IAM.
* Architecture and Implementation experience with medium to complex on premise to Azure migrations.
* Frequent use and application of technical standard, principles, theories and concept of cloud components.
* 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 web pack as a build tools on node Js 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).
* Created and deployed XML Web Services (WCF) using ASP.Net and C#, used them to generate the proxy class files based on the web services and consumed in web application.
* Worked on Docker architecture, creating Microservices for multi clustered platform and orchestrating multiple containers using Kubernetes.
* Developed robust, responsive Ajax driven UIs with AJAX, CSS, DHTML, JavaScript and JQuery.
* Developed graphical user interface (GUI) using HTML, CSS, and JavaScript.
* Worked on the configuring the Jenkins to use MetaCase Software to build Java code and to do the whole CI process on the java code generated by MetaCase.
* 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.
* Experienced with Docker for back-end services to deploy Docker images in RedHatOpenShift (platform as service) environment.
* Working on Infrastructure setup on Amazon cloud (AWS).
* Autoscaling of servers for fault-tolerance.
* Built a Jenkins-based CI/CD pipeline, speeding product deployment and allowing greatly improved testing of all aspects of the deploy process.
* Build and Deployment Automation, Release Management, Packaging Quality Control, Source Code repository and Cloud Computing Platforms like AWS, Azure, and Google Cloud.
* Implemented Ansible to manage existing servers and automate the build/configuration of new servers.
* Implemented Release schedules, communicated the Release status, created Roll out Plans, tracked the Project Milestones, prepared the reports and chaired the Release calls and worked for a Jira Application.
* Integrated Maven plugin with Jenkins and configured pipeline job to invoke maven top-level goals such as compile, test, and package, deploy, install and clean.
* Worked on provisioning and maintaining the AWS and Azure instances and storage for builds, build deployments etc.
* Coordinate/assist developers with establishing and applying appropriate branching, labelling/naming conventions using GIT source control.
* Had done POC on implementation of continuous deployment pipeline with Jenkins and Jenkins workflow on Kubernetes. Used BOTO and Fabric for launching and deploying instances in AWS.
* Part of the Devops team responsible for containerization efforts and migration of Java apps to Open Shift Enterprise.
* Worked on Continuous Integration CI/Continuous Delivery (CD) pipeline for Azure Cloud Services using CHEF.
* Working knowledge on AWS S3, EBS, ELB, Autoscaling, VPC
* Proficiency in multiple databases like MongoDB, MySQL, ORACLE, DynamoDB & MS SQL Server.
* Created Ansible with multiple modules as per component like Kafka, Zookeepers, MySQL, Logstash, HTTP collectors & Schema registry to configure EC2 instances to create/update Kafka cluster.
* Knowledge about Splunk architecture and various components (indexer, forwarder, search head, deployment server), Heavy and Universal forwarder, License model.
* Focused on streamlining all processes from infrastructure setup to application deployment.
* Knowledge of major cloud service providers like AWS & Google Cloud.
* 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.
* RDS, MongoDB, AWS Elasticsearch service, AWS Elasticache and Redis on EC2 as data stores

**Environment:** AWS, Terraform, Chef, Ansible, Docker, Kubernetes, Puppet, Jenkins, Maven, Git, Splunk, Power shell scripting, Azure, Oracle PL/SQL, Windows server, Apache tomcat.

**RI-Out Technologies, India June 2012- Oct 2015**

**System Support/Admin**

**Responsibilities: -**

* Configured Jenkins with GIT and SVN for appropriate release builds. Scheduled automated nightly builds using Subversion. Maintained Continuous Integration effort with Subversion along with scheduled builds.
* Used SVN for branching, tagging, and merging.
* Experienced in writing live Real-time Processing and core jobs using Spark Streaming with Kafka as a Data pipe-line system.
* Worked on Kubernetes cluster as a part of deployment activity. Familiar with Open Shift commands mainly for deployment. Also created yml files for using a swagger API within UI.
* Used Terraform and Ansible, migrate legacy and monolithic systems to Amazon Web Services and used Terraform scripts to configure AWS resources.
* Implemented high availability with Azure Resource Manager deployment models.
* Installation, administration, implementation, testing and maintenance of complex and heterogeneous networks consisting of Linux (Red Hat), Sun Solaris 8/9/10, Ubuntu, SuSE.
* Developed Core logic in C# for the business layer and generated DTOs for the backend Models.
* Experienced with the virtual build, installation, configuration, and maintenance of Linux RedHat both locally or over network.
* This application was written in Ajax, Java Script, JSP, JQuery, HTML and CSS.
* Database administration of MySQL, MongoDB
* Set up user and group login ID's, network configuration, passwords, and resolution of permission and access related issues.
* Deployed Kubernetes clusters on top of Amazon EC2 instances using KOPS and managed local deployments in Kubernetes creating local clusters and deploying application containers.
* Created Dynamic Inventory for Cloud infrastructure setup.
* Setup various Jenkins jobs for build and test automation and created Branches, Labels and performed Merges in GIT.
* Exploring other cloud services such as Azure, Google cloud, Rack space
* Worked with various CI/CD tools like Hudson/Jenkins, Sonar, Subversion, and Team foundation server, AccuRev and Nexus, Artifactory.
* Managing AWS products and services such as VPC, EC2, ELB, EBS, Route53, autoscaling, etc.
* Install, configure, maintain, and troubleshoot enterprise-wide Apache web servers and Tomcat application containers in a large RedHat Linux/CentOS environment.
* Responsible for configuring and connection to SSH through SSH clients like Putty and Cyber duck and, Password-less setup and agent-forwarding done for SSH login using SSH-Keygen tool.
* Integrated tools like Jenkins, Splunk, and Sonarqube in day to day build and release process.
* Own full lifecycle of build system from analysis, development, implementation and support of builds, unit testing and deployments.
* Installed and configured Subversion server on Linux via the Apache Web Server to provide access over the Http protocol.
* Maintained the Shell and Perl scripts for the automation purposes.
* Worked in production & application support 24/7 in NAS, EMC SAN Storage on Linux Environment.
* Day to day tasks in Linux including upgrading rpms, kernel, HBA driver, configuring SAN Disks, multipathing and LVM file system.
* Developed UNIX and Python Scripts for manual deployment of the code to the different environments.
* Involved in P2V Linux migrations on VMWare ESX 5 Cluster environment and performed physical and Storage VMotion and experience using tools like vCenter and vSphere.
* Experience in Logical Volume management on Linux with LVM knowledge in HTTPS, DNS, and TCP/IP protocols.
* Proficient with Vagrant, Docker, Kubernetes based cluster container and virtualization deployments to create shelf environments for Dev teams, containerization/Virtualization of environment delivery for releases using virtualization tools like VMware, Virtual Box, Docker - Container, Hyper-V, Rackspace and Open stack cloud.
* Install Firmware Upgrades, kernel patches, systems configuration, performance tuning on Unix/Linux systems.
* Experience on Hadoop (HDFS), Hive QL, Impala, Apache Drill, Apache Spark, SQOOP, FLUME/Kafka.
* Extensively worked with the LAN/WAN, firewalls and routing for Internet and Intranet connectivity using different protocols like TCP/IP, DHCP, HTTP/s, FTP, and SMTP & SSH.
* Orchestrated and migrated CI/CD processes using Cloud Formation, Terraform templates and Containerized the infrastructure using Docker setup in Vagrant, AWS and Amazon VPCs.
* Involved in backup and recovery after the deployments and supported the MONGODB database administrators
* Monitor system activities like CPU, memory, Disk and Swap space usage to avoid any performance issues and Participate in 24x7 on-call support personnel in debugging.

**Environment:** SVN, GIT, Jenkins, Linux, Web Server, Web Sphere, Solaris. Shell scripting, WLST, Nexus. Linux/Unix, VMware, SuSE, Ubuntu, MySQL, Apache, SAMP, LAMP. RAID, DNS, VERITAS file System, SAN, NFS, SAMBA, LDAP, SSH, FTP, SFTP, SNMP, DHCP.

**Education:**

MS in Computer Science University of Bridgeport Dec 2017

BE Electronics and Telecomm. North Maharashtra University June 2011