**Pranjal S**

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**PROFESSIONAL SUMMARY:**

* Over **12 years** of experience as a **DevOps Engineer** in **Automating, building, deploying** and **releasing** of code from one environment to another environment.
* Experience on software development life cycle **(SDLC)** with software development models like **Agile, Scrum Model,** **JIRA**, Waterfall model.
* Experienced in **AWS** cloud administration provisioning and managing services like **EC2, S3, Glacier, ELB (Load Balancers), VPC, AMI, SNS, SWF, RDS, IAM, ROUTE 53, Auto Scaling, Cloud Front, Cloud Watch, Cloud Trail, Cloud Formation** and **Security Groups**.
* Extensive experience in using **MAVEN** and **ANT** as build tools for buildingof deployable artifacts (jar, war & ear) from source code**.**
* Good knowledge on using **Artifactory repos** for **Maven** and **Ant** **builds**.
* In-depth knowledge of computer applications and scripting like **Shell, Python, Ruby, Perl**, **JavaScript** and **XML**.
* Good knowledge on **Linux, Solaris and UNIX administration**.
* Experienced in developing **Cloud Formation**, **Terraform** and **AWS** **Lambda** to automate **AWS** resources and created versions for the updated scripts.
* Led end-to-end **CI/CD** pipeline migration from on-premises **Team Foundation Server (TFS)** to **Azure DevOps**, ensuring seamless build, release, and deployment processes across multiple environments.
* Integrated **Azure Repos** **with Git branching strategies** and implemented automated build/release pipelines using YAML and Classic Pipelines for scalable and reliable deployments.
* Collaborated with cross-functional teams using **Jira** for Agile project tracking, sprint planning, and automating workflows for issue management and delivery tracking.
* Hands on Experience working with the **Microsoft Azure Cloud Services** and deployed the servers through **Azure** **Resource** **Manager** **Templates** or **Azure** Portal.
* Experience in creating build and release pipelines using **Azure DevOps** and orchestrating deployment of applications.
* Experience with integration of **Azure DevOps** and **Terraform**.
* Experience in Designing **AZURE** **Resource Manager (ARM) templates** and extensive experience in designing custom build steps using **PowerShell**.
* Proficient and well experienced in Planning, Patching, Tuning, Troubleshooting and Integrating **IBM WebSphere** **Application Server**, **Oracle** **WebLogic Server**, **IBM Web Sphere MQ Server,** **Apache Tomcat (6.x/7.x)**, **Jboss (EAP)**, **Resin, Apache Http Server**, **IHS**, **Glass Fish Application Server**, **Sun One Web Servers**, **LDAP** and Various Services of **AWS, Nginx.**
* Managed cloud environment using Infrastructure as Code by using **Terraform** and **CloudFormation**.
* Experienced in branching, tagging and maintaining the version across the Environments using **SCM** tools like **Git, GitLab, GitHub and Subversion (SVN)** on **Linux** and **windows** platforms.
* Proficient knowledge with **Helm** charts to manage and release of **helm** packages.
* Experience in implementing **Kubernetes** with **Docker** to assist with **auto-scaling, Continuous Integration, rolling updates with no downtime**. Involved in the functional usage and worked on web servers like Tomcat, HTTP and Nginx.
* Experience in AWS cloud infrastructure **database** **migrations**, **PostgreSQL** and converting existing **ORACLE** and **MS SQL Server databases** to **PostgreSQL**, **MySQL** and **Aurora**.
* Backed up and restored configurations and data of various tools (**SVN, Jenkins, Sonar, WAS, SonarQube**), **databases** **(oracle, db2) and servers (windows, RHEL**) as required.
* Knowledgeable in **Logical Volume Management** on **Linux** with **LVM** Knowledgeable in **HTTP, HTTPS, FTP, SFTP, DHCP, DNS, SNMP TCP/IP, UDP, ICMP, VPN, POP3** protocols.
* Gained sound knowledge in product deployment in servers, mail servers, monitoring tools & shell scripts, **Networking**, **SQL/MySQL**.
* Installed, configured and managed Monitoring Tools such as **Splunk**, **Nagios** for Resource Monitoring/ Network Monitoring/ Log Trace Monitoring.
* Ability in managing all aspects of the software configuration management process including **code** **compilation, packaging / deployment / release** methodology and application configuration**.**
* Experience in **installing, configuring, managing, tracing complex build problems, release issues** and **trouble shooting skills.**
* Well experienced in deployment & configuration management and Virtualization.
* Requested and installed **SSL** **certificates** using Microsoft management console and IIS.
* Experienced in **UNIX** System Administration, working on server-based operating system; kernel configurations on Redhat Linux, CentOS, SUSE, Debian 7, Ubuntu 12.x -16.x in a **DevOps** Environment with **CI/CD** as an Iterative process, proficient with Package management YUM & RPM for **RHEL/CentOS**.
* Ability in managing all aspects of the software configuration management process including **code** **compilation, packaging / deployment / release** methodology and application configuration**.**
* Experience in **installing, configuring, managing, tracing complex build problems, release issues** and **trouble shooting skills**.
* Expertise in scripting for automation, and monitoring using **Shell, Python scripts**.
* **Hands on using Bug tracking tools** like JIRA, HP Quality center and Bugzilla.
* Deployed **Puppet, Puppet Dashboard** for configuration management to existing infrastructure**.**
* **Used Chef** and other configuration management tools to deploy consistent infrastructure code across multiple environments.
* Experience inwriting **Chef Cookbooks** **and recipes** to automate the deployment process and to integrating Chef Cookbooks into Jenkins jobs for a continuous delivery framework.
* Excellent experience in designing, documenting and automating the build and release process.
* Experience in all facets of **SDLC** viz. requirement analysis, designs, development, testing, and post implementation revisions.
* Excellent analytical, problem solving, communication and interpersonal skills, with ability to interact with individuals at all levels.

**TECHNICAL SKILLS:**

|  |  |
| --- | --- |
| **Build Tools** | ANT, MAVEN, Gradle |
| **Source Control Tools** | GIT, GitHub, Bitbucket, Subversion |
| **CI Tools** | Jenkins, AWS Code Build, CircleCI, Maven, Gradle, TeamCity, Spinnaker, Cloud bees CD, AWS Code Deploy |
| **Web Technologies**  | HTML, XML, JAVA Script |
| **Configuration Management Tools** | Ansible, Terraform, AWS Cloud Formation, Chef,Puppet, Packer, Salt |
| **Languages** | C, C++, Java, Perl, Python, Unix Shell Scripting, Groovy, Bash |
| **Database** | MYSQL, MSSQL, Oracle and MongoDB, DynamoDB  |
| **Bug Tracking** | JIRA, Bugzilla, Remedy  |
| **SDLC** | Agile, Scrum, Waterfall |
| **Cloud Technologies** | Azure, Amazon Web Services (AWS), OpenStack, Terraform |
| **Monitoring Tools** | Nagios, Cloud Watch, Splunk, AppDynamics, ELK Stack, Datadog, Grafana |
| **Network Protocols**  | TCP/IP, UDP, HTTP, DNS, SSL, DHCP, FTP  |
| **Operating Systems** | Windows 98/XP/Vista/7/8, UNIX, Linux, Centos |

**WORK EXPERIENCE:**

**ASCENSION HEALTHCARE – ST LOUIS, MO JAN 23 - PRESENT**

**SR. DEVOPS/SITE RELIABILITY ENGINEER**

**RESPONSIBILITIES:**

* Responsible for setting up the **automation environment** for Application team if necessary and help them through the process of build and release automation.
* Experienced in **Infrastructure as code, execution plans, resource graph** and change automation using terraform rewrote existing Cloud formations stacks to terraform.
* Designed **git branching strategies**, merging per the needs of release frequency by implementing **GIT** flow workflow on GitHub.
* Worked on **google cloud platform (GCP)** services like **compute engine, cloud load balancing, cloud storage, cloud SQL, stack driver monitoring and cloud deployment manager**.
* Set-up databases in **GCP using RDS, storage using S3 bucket** and configuring instance **backups to S3 bucket** and prototype **CI/CD system with GitLab on GKE utilizing Kubernetes and Docker** for the runtime environment for the **CI/CD** systems to build and test and deploy.
* Configured Hybrid Cloud setup **on GCP using VPN** with two different regions and used Google Cloud console to create and manage GCP and GKE workloads. written the Python script to send the Stack Driver logs using CloudFuntion with integration of Pub/Sub and Big Query sand automated all the infrastructure workflows using Terraform.
* Developed different environments of different applications on Google cloud by provisioning **Kubernetes clusters** on GCE instances and **GKE** using **Docker, Ruby, Bash** and **Python**.
* Experience in writing **Ansible Playbooks and Puppet Manifests** to provision Apache Web servers, Tomcat servers, Nginx, Apache Spark and other applications.
* Created Ansible Playbooks to Deploy VM and install the Components as per requirements.
* Deploy **Openstack environments** through automated tools, Ansible / custom pipeline.
* Used Ansible to manage **Web Applications**, Config Files, Data Base, Commands, Users Mount Points, and Packages also to assist in building automation policies.
* Established **CI/CD pipelines** using **AWS CodePipeline** and **Jenkins**, automating the build, test, and deployment phases.
* Implemented automation of **AWS infrastructure via Terraform** and Jenkins - software and services configuration via Ansible playbooks.
* Used Agile/scrum Environment and used **Jenkins, GitHub for Continuous Integration** and Deployment with Tier2 Support. Functional test integration using **JMeter** and **Postman** scripts.
* Developed **GIT** hooks for the local repository, code commit and remote repository, code push functionality and Worked on the **GitHub**.
* Designed and deployed **AWS Lambda-based serverless microservices** architecture to support scalable, event-driven workloads with minimal operational overhead.
* Leveraged **API Gateway, Lambda, DynamoDB, and Step Functions** to build loosely coupled microservices in production environments.
* Used **Jenkins** for **Continuous** **Integration** and deployment into **Tomcat Application Server**.
* Written **Cloud Formation** templates to create multiple **IAM** users & groups with different **policies**, create an **auto scaling group** to start and stop **EC2** instances based on **CPU** usage & with update policy that keep specific number of instances running during a rolling update.
* Configured **Azure DevOps Pipelines** for deploying PaaS services into azure.
* Developed **Python scripts** to automate tasks such as build validation, **Azure DevOps** pipeline triggers, and resource monitoring.
* Built internal **CLI tools in Python** to assist with deployment operations and configuration changes across cloud environments.
* Implemented **JIRA** to track all issues pertaining to the software development lifecycle and Integrated **JIRA** with **GIT** repositories created automated release notes using Python Scripting.
* Configured **Ansible** server and workstation to manage deployments.
* Experience in writing **Ansible Playbooks in YAML** and used **Ansible Tower**, which provides an easy-to-use dashboard and role-based access control, so that it's easier to allow individual teams access to use Ansible for their deployments.
* Responsible to set up & configure monitoring and metric gathering system around Prometheus and Grafana.
* Set up **CI/CD** pipelines for Microservices and integrated tools such as **Maven, Bitbucket, SonarQube, Nexus, Slack** for providing immediate feedback to DEV teams after code check-in.
* Used Apache **Kafka** for importing real time network log data into **HDFS**. Improved the performance of **SQL** Scripts by using Object Role Modelling methodology.
* Deployed **Java applications** to application servers in agile continuous integration environment and automated the whole process.
* Designed and implemented **GIT** metadata including elements, labels, attributes, triggers and hyperlinks.
* Single handedly manage/configure/install/train my peers to procure **SSL** **certificates** and **key stores** across all the environments using **OpenSSL/Portecle/Venafi** from WFCMS.
* Worked with developers on **Rest API and ASP.NET Core Web API** based on departmental requirements and specifications.
* Configured **SSL** Key Stores and Certificates for ~100 applications across various environments using Venafi.
* Worked with Terraform key features such as **Infrastructure as code, Execution plans, Resource Graphs, Change Automation** and developed Terraform modules for the K8s deployment on multi-nodes cluster.
* Also created a **Splunk dashboard** to monitor release versions that is deployed on Docker boxes and Linux servers.
* Used **Confluence** to create, share and discuss content and projects.

**Environment**: GIT, GitHub, Jenkins, AWS, Terraform, Cloud Watch, Ansible, JIRA, Nexus, Jfrog Artifactory, Rundeck, Shell scripts, LINUX, UNIX, Windows, Java, Springboot, J2EE, Docker, Kubernetes, Splunk, Grafana.

**AMERICAN EXPRESS – PHOENIX, AZ SEP 22 – JAN 23**

**SR. DEVOPS/SITE RELIABILITY ENGINEER**

 **RESPONSIBILITIES:**

* Responsible for Analyzing, designing, developing, coordinating, and deploying web-based applications.
* Strong experience in setting up the build and deployment automation for **Terraform scripts** using Jenkins and Involved in working with Terraform migrate legacy and monolithic systems to **Amazon Web Services.**
* Environment, utilizing **Kubernetes and Docker** for the runtime environment for the CI/CD system to build and test and deploy.
* Container management using **Docker** by writing Docker files and set up the automated build on Docker HUB and installed and configured **Kubernetes.**
* Implemented & maintained the branching and build/release strategies utilizing **GIT**.
* Installed, Configured Jenkins for running Continuous Integration, Automated Deployments into different environments.
* Implemented **Kubernetes** to deploy scale, load balance, scale and manage **Docker** containers with multiple names spaced versions.
* Migrated legacy **CI/CD pipelines** from Jenkins **and TFS to Azure DevOps Services**, optimizing deployment workflows across dev, staging, and production environments.
* Created **Azure Pipelines (YAML & Classic)** for build, test, and release automation, enhancing deployment speed and consistency.
* Worked on **AWS** **EC2** Instances creation, setting up VPC, Launching EC2 instances and worked on Cloud Watcher for providing high availability of applications of **EC2** instances based on a load of applications.
* Handling migration of on-premises applications to the cloud, and created resources in the cloud to enable this, using all critical AWS tools, used ELB and Auto-Scaling policies for scalability, elasticity, and availability.
* Extensively involved in infrastructure as code, execution plans, resource graph and change automation using terraform rewrote existing **Cloud formations** stacks to terraform.
* Implemented **CI/CD** pipelines using **GitLab** and CloudFormation to automate deployment of serverless and container-based microservices across multiple AWS environments.
* Migrated **monolithic** applications to modular **microservices** on **AWS Fargate and Lambda**, improving scalability and maintainability.
* Integrated AWS Event Bridge, **SNS**, and **SQS** to enable communication and orchestration between microservices.
* Automated Cloud deployments using **Chef, Python, and AWS Cloud Formation Templates**.
* Established **Chef** Best practices approach to system deployment with tools with vagrant and managing Chef Cookbook as a unit of software deployment and independently version controlled.
* Deployed a centralized log management system and integrated into **Chef** to be used by developers.
* In the **CI/CD** pipeline, mainly focused on performing integration of code quality analysis techniques like check styles, find bugs, JUnit with **Jenkins**.
* Used Splunk to monitoring/metric collection for applications in a cloud-based environment. And integrate **Splunk** with **AWS** deployment using Puppet to collect data from all database server systems into Splunk.
* Experience in managing cluster of containers using **Docker** **Swarm**, and deployed spring boot applications. Worked on several Docker components like **Docker** **Engine**, **Hub**, Machine, Compose and **Docker** **Registry**.
* Worked on **Chef-server**/workstation and nodes via **CLI** tools, deployed packages and web applications on nodes through chef-server by using chef-client.
* Created the **CI/CD** pipeline and provided the required parameters and servers for the Build and Release Management in **VSTS**.
* Used **GIT, JENKINS, MAVEN, SONARQUBE** and **NEXUS** to build the CI-CD pipeline. Later used **CHEF** as configuration management tool.
* Familiarity with **cloud-based architectures** and experience in deploying TIBCO solutions on cloud platforms, such as **AWS and Azure.**
* Transition knowledge to Middleware Operations and Dev-ops engineers for implementing infrastructure in private cloud environments.
* Installed and configured GIT and GITHUB, Implemented pre and post hooks in GIT.
* Used **Python** with **REST APIs** to **integrate Azure DevOps**, **Jira**, and monitoring tools (like Prometheus/Grafana).
* Wrote **unit** and integration tests using **pytest** to ensure reliability and stability of automation scripts.
* Designed and Developed **Jenkins build and Run deck** deployments.
* Maintained build systems using Jenkins and **Ansible**, which includes creating and maintaining dashboards that track the builds and test results.
* Managed **Nexus** repositories to download the **artifacts** during the build.
* Used **Nexus Repository and Jfrog Artifactory** to upload the build artifacts after a successful build.
* Used **GitLab** for monitoring and analytics tools that helps to gain insights into codebase and projects. Also, can track metrics, view code coverage reports and monitor performance.
* Worked with developers on **Rest API** and **ASP.NET Core Web API** based on departmental requirements and specifications.
* Responsible for Maintenance, Regular Periodic Backups, User Management and Plugin Management for Jenkins.

**Environment**: GIT, GitHub, Jenkins, AWS, Terraform, Cloud Watch, Ansible, JIRA, Nexus, Jfrog Artifactory, Rundeck, Shell scripts, LINUX, UNIX, Docker, Kubernetes, Splunk, Grafana.

**SAFEWAY – BOISE, IDAHO MAR 22 – SEP 22**

**SR. CLOUD/DEVOPS ENGINEER**

**RESPONSIBILITIES:**

* Built CloudFormation and **TERRAFORM** templets using JSON and python scripting for cloud infrastructure.
* Creating an **AWS RDS MySQL DB cluster** and connected to the database through an **Amazon RDS MySQL DB**Instance using the **Amazon RDS Console**.
* Deployed builds in Data Center servers by implementing Chef recipes. Modified and re-used the Chef recipes for direct deployment into the **EC2** instances.
* Worked on Stone branch to Migrate Applications to clouds.
* Implemented Migration by validating the **Virtual Resource, Credentials and promoting to PROD** Environments.
* Implemented Micro-services using **Pivotal Cloud Foundry (PCF)** platform build upon Spring Boot Services and created workflows on TeamCity for setting up automated pipelines for **CI/CD** with **PCF**.
* Maintained **DNS** records using **Route53**. Give public DNS names to Elastic Load Balancers (**ELB**) IP's.
* Configured **S3** versioning and lifecycle policies to backup files and archive files in **Glacier**.
* Involved in defining documenting and maintaining code deployment pilot automation project documents using **Python**.
* Created **Python** Scripts to Automate AWS services which include web servers, ELB, Cloud front Distribution, database, EC2 and database security groups, S3 bucket and application.
* Launched Database for **MySQL 5.x** and **Oracle 11.x** using RDS in multiple Available zones, have setup monitoring for CPU Utilization and limited DB connections by implementing alarms using **Cloud watch**.
* Used **CloudFront** to deliver content from AWS edge locations to users, allowing for further reduction of load on front-end servers.
* Implemented rapid-provisioning and life-cycle management for **Cassandra, Linux using Amazon EC2, Chef, and custom Ruby/Bash scripts.**
* Used **Kubernetes** and **Mesos** as Container Scheduling Frameworks.
* Developed microservice onboarding tools leveraging **Python** and **Jenkins** allowing for easy creation and maintenance of build jobs and **Kubernetes** deploy and services.
* Developed build and deployment scripts using **MAVEN** as build tool, and integrated selenium in Jenkins, to perform the automated integration test.
* Worked with build pipeline set up for CI/CD using Jenkins Enterprise editions and deploy to orchestrated changes across many servers and components.
* Deployed and configured **Prometheus** to monitor Kubernetes nodes with node-exporter, monitor Kubernetes API and resources with Kube-state-metrics
* Develop, Maintain, update various script for services (start, stop, restart, recycle, Cron jobs) **Unix** **based** **Korn** **shell**, **Bash**.
* Installed, managed and administrated of all **Linux/Unix servers** by applying relative patches and packages at regular maintenance periods using RedHat Satellite server, **YUM** and **RPM** tools.
* Wrote **GROOVY/Unix** scripts to configure resources and Servers.
* Created Jenkins workflows using **Groovy script** to automate entire build and deployment process.
* Designed and developed the tools to allow efficient configuration management, build and release of software developed in **J2EE, XML** and **DB2** databases.
* Deployed the build artifacts into environments like **QA, UAT and production** according to the build life cycle.
* Installed, Managed and Configured monitoring tools such as **Splunk, Nagios and CloudWatch** for monitoring the logfiles, Network Monitoring, log trace monitoring and the hard drives status.
* Used **Confluence** to create, share and discuss content and projects.
* Automated the build and release management process including monitoring changes between releases.
* Documented the entire **build and release** process and provided support.
* Used **Service Now** for tracking the Change management for releases.
* Developed, maintained and distributed release notes for each scheduled release.
* Provided periodic feedback of status and scheduling issues to the management.
* Planned release schedules with Agile methodology & coordinated releases with engineering and **SLA** for timely delivery.
* Provided the assistance for the smooth phase of release for the emergency releases and coordinated with different teams.

**Environment:** GIT, GITHUB, Nexus, Maven, Gradle, PowerShell, AWS, CloudFormation, Azure, Chef, Ansible, Docker, Kubernetes, Prometheus, Jira.

**EXPRESS SCRIPTS – BLOOMINGTON, MN JAN 19 – MAR 22**

**SR. CLOUD/DEVOPS ENGINEER**

**RESPONSIBILITIES:**

* Responsible in setting up cluster environment for load balancing and high availability of Windows and Linux servers.
* Created **Virtual Network** with Frontend and Backend subnets, Assigned Frontend and Backend Network security group rules to these subnets by using Terraform.
* Configured **Azure DevOps Pipelines** for deploying **PaaS** services into azure.
* Build and supporting highly available, secure enterprise application platform based on OpenShift/Kubernetes orchestrator, on-prem as well as AWS Cloud.
* Created inventory in **Ansible** for automating the continuous deployment and developed playbooks using YAML scripting.
* **SSL** certificate installation, managing service accounts and configuration and management for the hosted websites in IIS
* Worked with networking teams in configuring **AWS** Direct Connect to establish dedicated connection to datacenters.
* Experience in building Docker images using **GitHub-actions**.
* Experienced in writing **Ansible Playbooks** using **YAML** to Manage Configurations of AWS Nodes on AWS EC2 instances run Ansible Scripts to provision Dev servers.
* Created **Terraform** templates to create **IAM, VPC, EC2, ELB, ECR, ECS, S3, SQS, SNS, SES, RDS, EBS, Dynamo** DB, Aurora.
* Worked with networking teams in configuring AWS Direct Connect to establish dedicated connection to datacenters.
* Created **Elastic Kubernetes Cluster** with Namespace to deploy Dev., QA, UAT environments within single **Kubernetes cluster**. Created one more Kubernetes cluster to deploy production environment.
* Develop Automation for seamless deploy, upgrades and patching of production systems across on-premises **OpenShift/Kubernetes** and public cloud environments.
* Implemented a **'server less' architecture** using **API Gateway, Lambda, and Dynamo DB** and deployed **AWS Lambda code** from Amazon **S3 buckets**. Created a **Lambda Deployment function** and configured it to receive events from your **S3 bucket**.
* Implemented **Terraform** modules for deployment of applications across multiple cloud providers.
* Installed and configured **Jenkins** for enterprise **CICD** process, built deployment pipelines for various container applications on **OpenShift** and Kubernetes platforms.
* Used **GitHub** extensively to push changes and pull changes from feature and develop Branch and for **Code Merge** and code commits.
* Integrating **AppDynamics** with **ServiceNow** for Auto **ticketing** and incidents.
* Server migration using cloud services like **AWS** from **physical to cloud** environment.
* Automated the tasks with **Ansible** **Playbooks** by using **YAML** functions and migrating the servers with the required configuration changes and testing and deploying the machines using **Ansible** Commands.
* Worked on creating **Docker** containers and **Docker** consoles for managing the application lifecycle and worked on setting up the automated build on **Docker** **HUB** and deployed **CoreOS** **Kubernetes** **Clusters** on **RedHat** **OpenShift** to establish **Docker** containers with light weight Docker **Images** as base files.
* Used **Ansible** for **configuring** and managing multi-node configuration management over **SSH** and **PowerShell**. **Wrote Python Code using Ansible Python API to Automate Cloud Deployment Process**
* Extensively worked on **Jenkins CI/CD pipeline** jobs for end-to-end **Automation** to **build**, test and deliver artifacts and troubleshoot the build issue during the Jenkins build process.
* Integrated **Ansible** with **DevOps** to provide Automation, Continuous Integration & Continuous Deployment through Jenkins and wrote Playbooks to automate Ansible servers using **YAML** scripting.
* Deployed dashboards in **Dynatrace** for both operations and various lines of business.
* Migrated on-premises **MySQL** environments to **MySQL** on **Confidential** **EC2** and **Confidential Aurora MySQL** with ongoing database replication.
* Guided and migrated **PostgreSQL and MySQL databases** to **AWS** Aurora.
* Installed and configured **code rules,** keys of **SonarQube** for code analysis.
* Use **Dynatrace** to perform root cause analysis and quickly drill down to correct error fault path and hot spots.
* Automated various infrastructure activities like **Continuous** **Deployment**, **Application** Server setup, Stack monitoring using **Ansible** **Playbooks** and has integrated **Ansible** with **Jenkins**.
* Used Docker in a Linux environment and handled fabric services to deploy in containers and images.
* Implemented new business unit repository system for **hosting Docker, Maven, Gradle, and SBT** artifacts.
* Involved in helping the **UNIX** and **Splunk** administrators to deploy **Splunk** across the UNIX and windows environment.

**Environment:** AWS Cloud, AWS Lambda, EC2, Puppet, GIT, GitHub, ANT, MAVEN, Jenkins, Ansible, JIRA, Nexus, Shell scripts, groovy, LINUX, UNIX, Windows, Java, J2EE

**ANTHEM- NORFOLK, VA JAN 18 – DEC 18**

**DEVOPS ENGINEER**

**RESPONSIBILITIES:**

* Deep understanding of software configuration management (**SCM**) /Integration processes and tools for large, multi-site product development with very strong problem solving and Android/Linux debugging skills.
* Provided custom solutions for **Azure VM** power management as part of cost saving efforts.
* Automated VM Power Schedule Management solution schedules using PowerShell script integrating (Azure Runbook) it with **Azure Logic apps**.
* Automated Decommissioning of Orphaned Resources in Azure as part of Azure Cost Savings Effort.
* Good Experience in **Azure Cloud-Based DevOps Skills**.
* Implemented Azure **IaaS and PaaS** enterprise solutions.
* Experience in supporting on-prem to **cloud migration**.
* Hands-on experience with Azure DevOps **Continuous Integration (CI) and Continuous Deployment (CD).**
* Migrated code repositories from **TFS (TFVC) to Azure Repos (Git)** using Git-TFS bridging tools and best practices.
* Managed branching strategies, pull requests, and code reviews via Azure Repos for better version control and collaboration.
* Set up **Azure Boards** and **Azure Test** Plans to replace TFS work tracking and test case management.
* Built **Azure CI/CD pipeline** to automate end to end testing, compliance management, and deploying chef cookbooks.
* Extensive knowledge on **Azure Services** like Azure Automation Runbook, Log Analytics, Logic Apps, Azure Storage, Application Gateway, Load Balancers, AKS and Virtual Network.
* Deployed Azure resource groups, virtual machines and Storage Accounts using an ARM template.
* Used **AZ and AzureRM modules** to pull reports and to deploy new resources.
* Implemented azure tagging Policies on multiple Azure subscriptions and Managed Enterprise chef infrastructure.
* Migrated on-prem standalone chef servers to Azure and implemented chef HA solution for cloud.
* Implemented Chef Inspect framework to audit infrastructure using CIS benchmark standards.
* Hands-on experience with scripting languages **ruby, python, PowerShell, and bash.**
* Good understanding of **docker and Kubernetes** functionalities. Created and Hosted Micro Services for Enterprise use in Docker and Hosted in **Azure Kubernetes service Known as AKS.**
* Managing day to day activity of cloud environment, supporting development teams with **automation** requirements.
* Using custom Ruby/python scripts on a daily basis to perform many repetitive jobs.
* As part of **LDAP server migration** project developed Ansible playbooks to generate configuration information.
* Demonstrated expertise in architecting and implementing RESTful API services following industry best practices and standards.
* Configured **Jenkins Build/Deploy Pipeline** to store the build artifacts in Artifactory repository.
* Worked with Docker components like Docker Engine, Docker-Hub, and Docker Registry for local Application Deployment in lower environments.
* Worked on the migration from **VMware to AWS** and used **Chef** to automate the infrastructure in **AWS** by creating **EC2, S3, RDS, VPC and Route 53**.
* Ensured in Azure services beyond basic IaaS functionality and Used Azure Resource Manager (ARM) to deploy, update, or delete all the resources for your solution in a single, coordinated operation.
* Used **Terraform** to deploy the infrastructure necessary to create development, test, and production environments.
* Developed and implemented **Kubernetes** manifests, helm charts for deployment of microservices into k8s clusters.
* Support development team with deployment workflow and Continuous Integration using GitLab, GitLab-ci, Run deck, **Docker**.
* Responsible for the installation of **RedHat** and **Centos Linux** for new build environment.
* Worked on **Python** and Shell scripts for Automation of the build and release process. Scripting in multiple languages on Bash, Shell scripting, python scripting etc. Wrote Automation scripts in shell and python to enhance the **CI-CD** pipeline.
* Configured Urban Code Deploy for **CI/CD process** with the automatic phase gates and approval required.
* Highly experienced in integrating **OpenShift** with CyberArk Conjure enterprise vault solution for password encryption.
* Proficient in integrating OpenShift platform with various monitoring tools like Sysdig, AppDynamics and Dynatrace.
* Provide performance management support and technical guidance with AppDynamics (Application Performance Management) for Application teams.
* Created custom **dashboards** for application team in **AppDynamics**.
* Used **AWS** Beanstalk for deploying and scaling web applications and services developed with **Java, PHP, Node.js, Python, Ruby, and Docker** on familiar servers such as **Apache**, and IIS
* Used **GitHub** for Code Review and Code Merge Branches.
* Implemented **CICD** allowing for deploy to multiple client Kubernetes environments.
* Configured Source Code Management tools with **Bamboo** and executed triggers in **Subversion** (SVN).
* Worked in configuring baselines, branches, merge in **SVN**, and Automation processes using Shell and Batch Scripts, Performed Branching, Tagging, Release Activities on **SVN**.
* Capable of doing Ansible setup, managing hosts file, Using Yaml linter, authoring various playbooks and custom modules with **Ansible**.
* Worked on Terraform to launch infrastructure from physical and virtual servers to email and **DNS** providers.
* Developed automated tests by building test cases from scratch using Python, Selenium.
* Involved in writing **Puppet** manifests in Ruby for deploying, configuring and managing metric collections.
* Created Modules for Protocols configuration and managing them using Puppet Automation.
* Orchestration improvements to Dynatrace deployment to reduce upgrade time.
* Integrated Dynatrace with Active directory, **Email** Servers, and event management
* Managed **SonarQube** to Setup the rules in **SonarQube**, establishment of ways of working with **SonarQube**.
* Managed and Reviewed deliverables. Defined responsibilities and assigned work to team and monitor the progress. Studied the entire application management process, procedures and identifying areas for improvements and implementing the same and Integrated JMS with WebLogic.

**Environment:** GIT, GitHub, Jenkins, Azure, Chef, Terraform, Ansible, JIRA, Nexus, Jfrog Artifactory, Shell scripts, LINUX, UNIX, Windows, Java, Springboot, J2EE, Docker, Kubernetes, Splunk, MicroStrategy.

**BANK OF AMERICA - MICHIGAN, US MAR 17 TO JAN 18**

**DEVOPS ENGINEER**

**RESPONSIBILITIES:**

* Involved in creating the automated build and deployment process for application, re-engineering setup for better user experience and leading up to building a Continuous Integration system for all our products.
* Developed and implemented Software Release Management strategies for various applications in an **agile** environment.
* Created **AWS** **CloudFormation** 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, RDS, S3, Route53, SNS, SQS, Cloud Trail** and also worked o**n Simple Storage Service (S3), Simple Notification Service (SNS) and Cloud Watch.**
* Involved in build and maintain **Highly Available secure multi-zone AWS** cloud infrastructure utilizing **Chef** with **AWS CloudFormation** and Jenkins for Continuous Integration.
* Migrated services from a managed hosting environment to **AWS** including service design, network layout, data migration, Automation, monitoring, deployments to ensure cost analysis, and timeline.
* Implemented & maintained the branching and build/release strategies using **SCM tools GIT**, **Subversion**, **Bitbucket** and also **experienced** in migrating GIT repositories to AWS.
* Used API's **Chef**, **Python** and **AWS** CloudFormation Templates, migrated and automated cloud deployments.
* Hands on with **GIT / GIT Hub** for code check-ins/checkouts and branching and various other functions.
* **Written Terraform scripts to automate AWS services which include ELB, Cloud Front distribution, EC2, database security groups, Route 53, VPC, Subnets, Security Groups, and S3 Bucket and converted existing AWS infrastructure to AWS Lambda deployed via Terraform and AWS CloudFormation.**
* Created Hudson jobs for continuously building the projects. Scheduled Hudson jobs to build upon every checking into subversion. Setup shell script in Hudson jobs to do pre- and post-build operations.
* Installed and configured Jenkins for enterprise **CICD** process, built deployment pipelines for various container applications on OpenShift and **Kubernetes** platforms.
* Worked on implementing in release workflow within **Visual Studio for Continuous Integration** and deployment and used Terraform scripts to Automate Instances for Manual **Instances** that were launched.
* Specialized in automating tasks and process through scripts using ANT/Maven/Make and Shell/Perl.
* Utilized **Git** and **Run deck** to install and configure Linux environments with successful production.
* Experienced in using **Subversion (SVN), GIT**, Perforce, ClearCase, ClearQuest and CVS Version Controls.
* Developed and define a **CICD** model to implement across multiple front and backend teams and applications. Analyzed, defined, and developed build process improvements using TFS.
* Participated in **Querying** **RDBMS** such **as Oracle, MYSQL and SQL Server** by using **SQL** for data integrity.
* Created repositories according the structure required with branches, tags and trunks.
* Deployed the build artifacts into environments like **QA, UAT and production** according to the build life cycle.
* Installed, Managed and Configured monitoring tools such as **Splunk, Nagios and CloudWatch** for monitoring the logfiles, Network Monitoring, log trace monitoring and the hard drives status.
* Used **Confluence** to create, share and discuss content and projects.
* Automated the build and release management process including monitoring changes between releases.
* Documented the entire **build and release** process and provided support.
* Used **Service Now** for tracking the Change management for releases.

**Environment:** AWS Cloud, AWS Lambda, EC2, Puppet, GIT, GitHub, ANT, MAVEN, Jenkins, Ansible, JIRA, Nexus, Shell scripts, groovy, LINUX, UNIX, Windows, Java, J2EE

**NETOPS FIBER SOLUTIONS – AP, IN FEB 12 TO OCT 15
SYSTEM ENGINEER**

 **RESPONSIBILITIES:**

* Worked closely with the Development Team in the design phase and developed Use case diagrams using Rational Rose.
* Documenting the **process of code promotion**, defect tracking and user guide for Subversion (**SVN**). Maintained users’ security on Subversion (SVN).
* Used **API's Chef, Python and AWS CloudFormation Templates**, migrated and automated cloud deployments.
* Worked with Apache **ANT** for building the application, has written **ANT** scripts and shell scripts to automate the build process. Setting up the environments (**QA, UAT** and **PROD**) by installing **UNIX**, Application **servers** and **Databases**.
* Maintained the Tags, Branching and merging the code in the parallel development of two phases and applied the vendor patches to the Trunk and All branches in Subversion (**SVN**) Repository.
* Use of **Docker** to manage micro services for development and testing.
* Installation, configuration and management of **Apache and Tomcat** servers.
* **Setup of build scripts, systems and infrastructure** to enable build and release process.
* **Build C++ and Java** files using ANT/MAVEN build tool.
* Implemented MAVEN builds to **automate artifacts** like jar, war and ear.
* **Implemented continuous Integration** using tools such as Jenkins and Bamboo.
* Designed and developed **Bamboo Build deployments**.
* **Managed nexus MAVEN repositories** to download the artifacts during the build.
* Developed and maintained integration and release processes.
* Worked on Apache and Tomcat servers for **hosting web apps**.
* Administered the **UNIX, Subversion (SVN) Repository**, migrated the code from Subversion (SVN) to other Version Control.
* Tracking and prioritizing issues and new features for later releases of software using **JIRA**.
* Evaluated, Installed, and configured various **JIRA** plug-ins systems based on the requirement.
* Created Bus members, provided configurations for messaging queue in WebLogic.

**Environment**: ANT, MAVEN, Apache Tomcat, shell, Perl scripting, Subversion, Bamboo, Jenkins, Windows 2000/XP, LINUX (RHEL)

**EDUCATION:**

* Masters in Computer Science from University of Illinois at Springfield, IL.  **2016**
* Bachelors in Information Technology, STRMU, Nanded.  **2012**