**Sri Krishna Marni**

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**Summary**

* 10 years and above IT industry experience working as Software Engineer in DevOps, CI & CD, AWS Cloud, Software Development, Configuration Management, Build, Deploy and Release Management in Automation and Linux System Administrator.
* Hands-on experience in infrastructure development and operations involving Amazon Cloud Administration (CloudFormation, CloudTrail, CloudWatch, Code Build & Deploy, Code Pipeline, EC2, EC2 Container Service, EBS, Elastic Beanstalk, IAM, Security Groups, OpsWorks, Route 53, S3, CloudFront, Glacier, SQS, SNS, ELB, AMI, VPCs, DynamoDB, Elastic Cache, Lambda, API Gateway, AWS Import/Export).
* Experience in designing & deploying AWS Solutions using EC2, S3, EBS, Elastic Load balancer (ELB), auto-scaling groups. Worked at optimizing volumes and EC2 instances, created multiple VPC instances.
* Experience in monitoring servers with NRPE plugin in Nagios tool. Worked with logging/monitoring such as Nagios and AWS CloudWatch.
* Worked on GCP services like compute engine, cloud load balancing, cloud storage, cloud deployment manager and stack driver monitoring.
* Created alerts & monitoring using Prometheus and Grafana for all microservices deployed in GCP.
* Managed Azure Kubernetes Services (AKS) to deploy microservices-based applications.
* Integrated Azure DevOps pipelines with security
* Devised a monitoring and alerting system using Azure Monitor.
* Experience in Administration/Maintenance of Source Control Management Systems and version control tools such as Sub Version (SVN), GIT, GITHUB, BIT Bucket and Gitlab.
* Work with build teams to ensure applications meet operational acceptance criteria.
* Define and deliver SRE standard methodologies.
* Address gaps in the product and service to continually improve the product.
* Expertise in using build tools like MAVEN and ANT for the building of deployable Artifacts such as War & Ear from Source Code. Managed the Artifacts generated by MAVEN in the Nexus Repository.
* Deployment of Cloud service including Jenkins and Nexus on Docker using Terraform
* Hands on Experience on analyzing, designing, developing, and debugging Java/**J2EE** business applications.
* Involved in the functional usage and Deployment of Applications in WebLogic, WebSphere, and Apache Tomcat Server.
* Experience with Linux/Unix environments and scripting for Build & Release automation, Installations, Upgrades, Patches, Migration, and Troubleshooting.
* Installed and Configured CI & CD in JENKINS on Linux machine. Proficient in defining Build Pipelines (master slave configuration) in addition to creating and maintaining multiple jobs. Extensively worked on Jenkins for Continuous Integration and End -to-End automation for all builds and deployments.
* Experience in and demonstrated understanding of source control management concepts such as Branching, Merging, Labeling/Tagging and Integration.
* Experienced with automating release process using Maven, Jenkins, chef, Bamboo, Jira tools in diversified project environment.
* Installed Red Hat OpenShift Service on AWS (ROSA) through AWS management console.
* Provisioned and managed clusters through OpenShift console.
* Worked in implementing entire CI/CD using Groovy scripts
* Used Cloud Bees Jenkins for continuous integration, app build and deployments.
* Integrated Nagios with Cloud Bees Jenkins.
* Basic understanding of HIPAA, PCI DSS regarding security architecture.
* Familiarity with AWS Security platforms to assess, fix and report any vulnerabilities.
* In-depth understanding of the principles and best practices of Software Configuration management (SCM) and Experience in using Bug tracking tools like JIRA, and IBM Clear Quest.
* Expert in Chef/Puppet/Ansible as Configuration management tool, to automate the repetitive tasks, quickly deploy critical applications, and enthusiastically managed the changes on Multiple platforms.
* Authored recipes and cookbooks for node management and Infra management. Wrote manifests for different modules to be configured remotely. Created Chef Recipes to automate the deployment process.
* Hands on experience in writing Ansible scripts, created ansible playbooks with different plays for deployment workflow and used it to configure tomcat servers and maintenance.
* Worked on container technologies like OpenShift, Docker and Kubernetes.
* Experience working on several docker (ECS) components like Docker Engine, Hub, Machine and Docker Swarm. Creating Docker images, Compose Docker Registry and handling multiple images primarily for middleware installations and domain configurations.
* Experience in deploying applications on Kubernetes (EKS) and responsible for maintaining the applications on clusters. Integrated ansible with concord for deploying applications on Kubernetes clusters.
* Using Amazon EC2 command line interface along with Bash/Python to automate repetitive work.
* Have knowledge of full life cycle experience in Data Integration, Data Warehousing, and Master Data Management
* Good understanding of the ETL/ELT and architectural principles of data integration and data warehousing.
* Developed Bash, Python scripts with focus on Devops tools and CI/CD architecture.
* Good Working knowledge of Build scripts & automated solutions using various scripting languages like Shell, Python, Ruby, python, Perl, Yaml.
* Ability to work closely with teams, to ensure high quality and timely delivery of build and release.

**Educational Background**

* Master’s in Electrical Engineering
* Bachelor’s in Electronics and Communication

**Certifications**

* Amazon Web Services (AWS) Solutions Architect - Associate Level Certificate
* Microsoft Azure Administrator Associate – AZ-104

**Technical Skills**

|  |  |
| --- | --- |
| **Operating Systems**  | Linux, UNIX, Windows, Amazon Linux AMI  |
| **Database** | Oracle, SQL Server, MySQL, DynamoDB, MongoDB |
| **Languages** | C, Python, JAVA, Perl, Shell, Bash Scripting, HTML, XML |
| **Cloud Tools** | Amazon Web services (AWS)- EC2, IAM, Elastic Beanstalk, Elastic Load Balancer, RDS, S3, Lambda, SQS, SNS, EKS, ECS, CloudFormation, Route 53, VPC and CloudWatch.Azure – VMs, VNets, Express Route, Traffic Manager, VPN, Load Balancing, Application Gateways, Auto-ScalingGoogle Cloud Platform – Compute Engine, Cloud Load Balancing, Cloud Storage, Cloud Deployment Manager and Stack Driver Monitoring.IBM Cloud – VMs, Blue Fringe, IKS Clusters, Secret Manager |
| **CI/CD Tools** | Jenkins, Travis, ArgoCD, Spinnaker, Chef, Puppet, Ansible, Udeploy, Maven, ANT, GIT |
| **Security Platforms** | HIPAA, PCI DSS |
| **Ticketing/Tracking Tools** | Jira, Service now, Remedy |
| **Monitoring Tools****Alerting Tools** |  CloudWatch, Nagios, Splunk, Prometheus, Grafana, Dynatrace, PagerDuty |
| **Containers& Virtualization** | Docker, Kubernetes, OpenShift |
| **Application Servers** | Tomcat, WebSphere, Apache, Nginx |
| **Processes/Methodology** | Agile-Scrum, Waterfall |

**Professional Experience**

**Apple, Remote**

**Sr Cloud DevOps/Site Reliability Engineer Oct 2022 - Present**

* Worked on multiple applications providing end-to-end services coordinating with all relevant teams.
* As an SRE, the role includes **infrastructure** setup, **capacity** planning, **deployments** in lower and prod environments, **monitoring** by closely coordinating with developers on property changes, new bugs etc (and other teams) and a timely **Oncall** support.
* The primary objective is maintaining the **SLO standards** so the availability and latency of each application is within the agreement.
* Experience working and maintaining multiple internet-facing critical services with 99.99% **availability** rate by setting up automated alerting.
* Worked on GitOps-based deployments using latest builds, enabling CI/CD with **Spinnaker** on both on-premise and kube applications.
* Improved deployment workflows by using Infrastructure as Code (IaC) with **Terraform.**
* Contributed in configuring and maintaining CI/CD pipelines using **Terraform** and **Spinnaker** reducing the deploy times.
* Planned, coordinated and deployed applications in a weekly and bi-weekly schedule.
* Accommodated any hotfix unscheduled **deployments** to maintain stable and reliable service across applications.
* Automated **CI/CD pipelines** and integrated frost-based tests that will test the application functions after each deployment.
* Managed Kubernetes clusters, deployed applications and automated workflows using tools like Helm.
* Maintained and troubleshooted **Linux-based** systems.
* Automated **repetitive tasks** in deployment and operations to improve efficiency through Python and **bash** scripting.
* Experience in managing services across **bare-metal**, **Kubernetes** and EC2 platforms.
* Developed **auto-scaling** solutions in Kubernetes which helped resource optimization.
* Solved and resolved issues in Kubernetes from both OS and application perspective.
* Renewed and managed key **X509 certificates** in all applications.
* Mitigated java-based security bugs in the latest builds by updating the dependencies.
* Managed **logging** and **observability** technologies such as Prometheus, **Grafana**, **Splunk** or similar.
* Worked with the engineering teams to improve reliability, implemented monitoring framework and been part of production on-call.
* Understood and troubleshooted Xrail **load balancing** solutions and issues.
* Understood and troubleshooted **network** related issues during OnCall and otherwise.
* Collaborated with **database**, **network** and **security** teams on a need-basis to keep the stability and continuity in all environments.
* Have working knowledge in storage solutions such as **Oracle**, **Cassandra** and **Redis** in maintaining connectivity from application to database.
* Experience with working on **incident response**, post-mortem analysis, and **root cause** investigations.
* Identified and assessed risks to production systems and worked to mitigate them.
* Provided prompt response to application outages and worked with dependent teams to resolve the issue.
* **Document the Oncall incidents** and outages with the root cause analysis and impact numbers.
* Worked on planning and calculating **resource capacity** or quota-based CPU and memory utilization on each namespace.
* Update the capacity team on the optimal resource requirements and **clawback** the excess resources.
* Been part of daily and sprint-based **standup** meetings to plan, work and discuss current and new projects and the related action-items.
* Implemented and updateddeployment and OnCall **runbooks** for maintenance actions.
* Collaborated with development and operations teams to integrate **security** practices into the CI/CD pipeline.
* Built and maintained security pipelines for continuous integration and delivery using **Spinnaker**.
* Managed security incidents and conducted root cause analysis to identify system **vulnerabilities** and recommend remediation strategies.
* Attended security **training programs** along with development and operations teams, improving security awareness.

**Environment: Linux, Git, Docker, AWS, Kubernetes, Spinnaker, Splunk, Grafana, Terraform, Xrail, Security, Whisper, Bash, Shell, Python, Oracle, Redis, Cassandra, Network**

**IBM, RTP**

**Sr DevOps Engineer Aug 2021 – Sep 2022**

* Worked as DevOps Engineer focused on release management, pipeline scripts and add-on security features in RBK and HSA Applications.
* Bring in the new updates from SIT by setting up UAT environment with a new release tag.
* Swap the UAT URL from Old release to new release.
* Promote the changes from UAT to STG environment. after validating.
* Worked on **Jenkins/Travis** pipelines to integrate the changes in UAT/STG environments.
* Deployed or synced the new changes via **ArgoCD** tool into the given environment.
* Managing the images in **JFROG** artifactory per env basis and validating the SHA value.
* Manage the OpenShift cluster with updated images on all pods per env basis.
* Dockerized **Jenkins** with Master and Slave architecture in Kubernetes platform and automated the build jobs.
* Modifying the deployment **yaml** files to add image, parameter changes.
* Automated infrastructure provisioning using **Terraform** reducing deployment times.
* Trigger the **CronJobs** to check the status if the scheduler isn’t working.
* Install Sysdig Agent on the **Kubernetes** Prod Cluster and verify.
* Worked on cherry-picks and hotfixes to update the UAT environment with the new changes or fixes from the dev team.
* Worked on **secret-manager** for secret management to get the secrets that are needed for an application to run at container startup time.
* **SonarQube** is used for Code Coverage and Code quality.
* Setup Sonar Quality gates in the dashboard which will set the rules to scan the code and pass the pipelines only if the conditions are met.
* Renew the TLS certificate for **ArgoCD** web urls every 90 days and setup alerts.
* Configure Cirrus pipelines for image scanning for all services and check the vulnerabilities.
* Setup Cirrus image build/failure/bug alerts.
* Install modsecurity at the ingress controller to block DDoS, SQL threats.
* Working on Lets Encrypt Certificates and mapping the domains.
* Update **ModSecurity** to ensure app security from DDoS attacks.
* Work with **Akamai WAF** team to provide pod security and update source ip subnets.
* Block all SSH and 32000 range ports to prevent unwanted access to application.
* Work on CRC installation on AWS EC2 instances and local machine.
* Instana alerts were setup for all the pod changes in regard to CPU, Memory, usage etc.
* Based on the **Instana** alert history, the resource limits were set on the Kube pods on env basis.
* Created base image for Redis, deployed it to the Openshift cluster.
* Monitor the **Kafka** consumer groups and delete the empty consumer groups from the script.
* Developed and maintained security **automation** scripts using **Python**, improving operational efficiency.
* Update the work status in the daily standups with the progress, blocks and completions.
* Attend the Retro and Sprint planning meetings to understand whats the next tasks are and how to fix the last sprint blocks.
* Prepare **KT sessions** to the customer after the app release.
* **Document** the release, renewal or setup steps in the boxnote for future team reference.

**Environment:** JIRA, Github, Jenkins, Travis, ArgoCD, OpenShift, IBM Cloud, IAM, Security Groups, Cirrus, Sonar,

Instana, JFrog, Docker, Vault, Linux, Shell, Ansible, Docker, Terraform, AWS, EC2, Nginx, Python, Kubernetes.

**Macys, Remote**

**Sr DevOps Engineer Sep 2020 to Aug 2021**

* 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.
* Defining Release Process & Policy for projects early in SDLC. Imported and managed multiple corporate applications using GIT.
* Creating Jenkins CI CD Pipeline for new applications and Enhancements on existing CI CD pipelines as requested.
* Work on helm charts to set up deployment for UAT/QA/STG/PROD environments.
* Setup Composer 2 environment manually and using terraform for the nonprod and prod environments.
* Create new Dataproc clusters in nonprod with auto-scaling using CLI.
* Setup SonarQube for new services on Java 11 and 17 and configure the Quality profiles.
* Update the code coverage on the UPM apps.
* Raise new certificates and install them to the load balancer.
* Create firewall request for access from Internal to Data Power endpoints.
* Creating customized log-based metrics using log explorer and creating alerts for monitoring the application errors.
* Monitoring the Production Deployment Activity.
* Monitoring Jobs and Applications running in GCP.
* Collect snapshot and heapdump for services to analyze the issues.
* As per developer request, enhance the Application code configuration.
* Implemented AWS solutions using EC2, S3, RDS, EBS, Elastic Load Balancer, VPC, Auto scaling groups.
* Responsible for Design of different Release Environments for new projects. Configure and apply NSX Security group tagging for Micro-segmentation
* Implementing new projects builds framework using Jenkins & maven as build framework tools.
* Implementing a Continuous Delivery framework using Jenkins, Jfrog, Maven & Nexus in Linux Environment.
* Using Jenkins AWS Code Deploy plug-in to deploy into AWS
* Deployment and implementation of Chef for infrastructure as code initiative.
* Configured Ansible control machine and wrote playbooks with Ansible roles. Used file module in playbook to copy and remove files on EC2 instances.
* Created inventory in Ansible for automating the continuous deployment and wrote playbooks using YAML scripting.
* Hands on experience on Terraform a tool for building, changing, and versioning infrastructure safely and efficiently.
* Experience in deployment of applications on Apache Webserver, Nginx.
* Continuous Threat monitoring using AWS Cloud tools like Guard Duty, CloudTrail and Shield.
* Writing Chef Recipes for Deployment on build on internal Data Centre Servers. Also, re-used and modified same Chef Recipes to create a Deployment directly into Amazon EC2 instances
* Used Chef for configuration management of Instances within GCP.
* Build, maintain Docker and Kubernetes clusters managed by Kubernetes Linux, Bash, Docker on GCP.
* Taking Backups of the database for the Developers to test.
* Export/Import Postgres Databases from Prod to NonProd.
* Deploying Applications with provided tags in Non-prod Environment.
* Verification of dependencies, certificates.
* Deploying applications, validating applications after monthly patching.
* Providing monitoring of applications through Splunk/Dynatrace.
* Scripts and scheduling cron to the applications.
* Document the recurrent activities and deployment activities in confluence page.
* Work with the developers on the deployment plans.
* Work with Forgerock team on the cert issues and resolve.
* Troubleshoot the pipeline failures that help with the deployments.
* Use terraform to import the existing infrastructure to GCP cloud.
* Work on statefiles that help with terraform-import.
* Pull billing reports for both nonprod and prod and analyze the changes.
* Raise a Google ticket on P1/P2 issues and work on the resolution.
* Work with different team members for automation of Release components.
* Resolved system issues and inconsistencies in coordination with quality assurance and engineering teams.
* Hands on experience on JIRA for creating bug tickets, storyboarding, pulling reports from dashboard. And configured Nagios for monitoring and log analysis.

**Environment:** GitLab, Jenkins, Spinnaker, Kubernetes, OpenShift, Ansible, Docker, Terraform, JIRA, GCP, Instances, Nginx, Dynatrace, Splunk, Python, DBeaver, Maven, AWS, EC2, WebSphere, Nagios.

**AT&T, Irving, TX**

**Sr Cloud DevOps Engineer Aug 18 – Sep 20**

* Involved in Installing, Configuring and Upgrading of RedHat Linux AS 4/5/6 operating systems.
* Experience in Designing, Architecting, and implementing scalable cloud-based web applications using **AWS** and **GCP**.
* Responsible for infrastructure solutions delivery in the Cloud environment such as **AWS** and **Kubernetes** on-premise data center environment.
* Developed, installed, configured and deployed Cassandra, Oracle, Cockroach db, Rabbitmq, Redis, Elastic search, Nginx and some other in-house ECO products of ARRIS applications (SMS, Collect, Control) on **AWS** using **Ansible**.
* Managing in-house Eco products (SMS, Collect, Control, STOMP).
* Managing in-house Eco product **docker** containers with **Kubernetes** orchestration.
* Dockerized applications by creating Docker images from Docker file, collaborated with development support team to setup a continuous deployment environment using **Docker**.
* Using Gitlab to store, secure code and for CI/CD purposes
* Created new projects, load balancing services and access using **OpenShift**
* Used **Terraform** to manage the hybrid cloud infrastructure with AWS, GCP and Azure for QA and Prod environments.
* Used Hashicorp **Consul** as a service discovery tool.
* Used Hashicorp **Vault** to manage the secrets.
* Implemented a distributed **Nagios** monitoring environment which spans 5 data centers. Added **SNMP** monitoring from Nagios. Developed and implemented scripts to perform Elastic Search snapshot backups. Developed metrics graphs using **Kibana**. Implemented Nagios graphs utilizing pnp4nagios. Implemented **logstash** monitoring for Nagios.
* Used CloudBees Jenkins for continuous integration, app build and deployments.
* Integrated Nagios with CloudBees Jenkins.
* Implementing a CI/CD (Continuous Integration /Continuous Delivery) framework using Jenkins, Maven & Artifactory in Linux environment.
* System support, troubleshooting and software patches for RedHat maintenance and upgrades. Security upgrades.
* Managed **Git** repository, code merging, and production deployments.
* Implemented docker container creation process for each GitHub branch gets started on Jenkins as Continuous Integration (CI) server.
* Designed and Implemented CI (Continuous Integration) system, configuring Jenkins’s servers, Jenkins nodes, creating required **scripts** (Perl, Python)
* Developed unit and functional tests in Python and Ruby.
* Created **Azure** IaaS virtual machines (VMs) and Cloud services (PaaS role) in secure **VNets** and subnets.
* Deployed **Azure** VM's, Azure Storage (Blob, Files) using ARM Templates and PowerShell scripts.
* Experience with AZURE IaaS - **Virtual Networks**, Virtual Machines, Cloud Services, Resource Groups, Express Route, Traffic Manager, VPN, Load Balancing, Application Gateways and Auto-Scaling.
* Automated the CI/CD pipeline using Jenkins and **Azure Pipelines**.
* Leveraged Azure Resource Manager (**ARM**) for the cloud resource deployment.
* Created dashboards in **VSTS** for Azure ADO CI/CD **pipelines**, work items and bugs.
* Implemented **Active Directory** authentication in every **CosmosDB** request from the clients.
* Helped create technical solutions and design for Data Warehouse.
* Setup Azure SQL database, Azure **Data Lake**, Azure **Data Factory** and maintain.
* Develop ETL / ELT solutions in a Data Warehouse environment.
* Experience in data platforms like SQL, **CosmosDB**, **MongoDB**, DynamoDB, Hadoop.
* Data **migration** from On-prem to Azure SQL DB.
* Implemented and monitored **security** controls in cloud environments, including AWS and Azure.
* Conducted **security audits** and risk assessments of cloud environments, identifying **vulnerabilities** and recommending remediation measures.
* **Document** Azure process in steps for future reference.

**Environment:** Redhat 7.2, AWS, VPC, ELB, EC2, Redshift, Cassandra, Azure, NSG, KeyVault, VNet, Backup, Oracle, Cockroachdb, rabbitmq, Redis (Traffic manager), Elasticsearch, SMS, Nagios, Hashicorp Consul, Vault, Terraform, Datadog, Zookeeper, IAM, Security groups, DNS, Jenkins, JIRA, GitLab, Svn, (Stash)GIT, Nginx, ELB, Mputty, Mobaxterm, WinSCP, OpenShift, Docker, Ansible Playbooks, nexdus, slack, skype, haproxy., Flexera, soapui, Jenkins

**Anthem Inc., Wallingford, CT**

**Configuration Manager/ Sr AWS Cloud Engineer Aug 17 – Aug 18**

Synopsis: Anthem Care Management Platform (ACMP) is a business and IT initiative to build a utilization and care management platform to improve operational processes and efficiency. This platform will provide effective insights and analytics to reduce the cost of care by reducing unnecessary utilization and admissions which will improve quality and efficiency of care as well as outcomes through better care management. The Platform uses precertification & authorization processes to evaluate medical necessity for hospital/specialty services.

**Responsibilities:**

* Creating Repositories & assigned repository settings and branch permissions, strategies in Bitbucket.
* Setting up & maintaining branching strategies (release/hotfix) across repositories using git flow workflow for enterprise release.
* Used Git/Bitbucket for efficiently managing the source code versions with the development team.
* Performing ClearCase/Bitbucket Code merges between work streams and branches.
* After the code merge ensuring that any merge issues/compilation issues are fixed and make sure the application is working in the local workspace with Java/J2ee development skills.
* Configured Bamboo build plans and setup plan details, Stages, and branches.
* Performing build/deploys of ACMP code in Bamboo/Udeploy to WebSphere application Server (WAS) and making the ACMP Web application up.
* Setup Centralized Lambda computing using boto3 library and assigned VPC for security, and security groups, route tables for both Lambda & EC2.
* Wrote Ansible Playbooks with Python SSH as the Wrapper to Manage Configurations of AWS Nodes and Test.
* Used API Gateway to Invoke lambda process to store in S3 and RDS instances upon user access verification by IAM. Worked with AWS Glacier, Lambda, API Gateway and Terraform
* Used AWS cloud formation to provisioning application infrastructures employing tools like Auto Scaling groups, Security Groups, VPC, Cloud watch etc.
* Managed the network traffic routing using various policies such as Simple, Weighted, Latency, Failover, Geo Location in Route 53.
* Implemented AWS solutions using EC2, S3, Elastic load balancer, Auto Scaling groups, Optimized volumes and EC2 instances. Created AWS EC2 instances with Terraform.
* Involved in deploying multiple applications utilizing all AWS stack (Including EC2, Route53, DynamoDB, SNS, ELK, IAM) focusing on high availability and auto scaling in AWS cloud formation.
* Securing the workloads and applications using Threat detection using AWS Guard Duty, CloudTrail and continuous monitoring and data protection using AWS Key Manager, AWS Certificate Manager.
* Set up Data Pipeline Building and other data jobs using Glue & Kinesis for different solutions.
* Worked on Network Aspects - Created Squid Proxy to use for all other accounts by VPC peering. Setup load balancer for VPC end Point to balance in all instances
* Involved in product release every month, assisting developers and production support to make the application available to customers
* Managed SVN repositories for branching, merging and tagging and developing Shell/Groovy Scripts for automation purpose.
* Creating scripts in DSL Groovy which integrate with Jenkins for Automation to create seed jobs.
* Built and maintained security pipelines for continuous integration and delivery using Jenkins and GitLab.
* Been a part of design and architect team for the clients for HIPAA compliance.
* Generated and analyzed reports for clients that are HIPAA compliant.
* Single Point of Contact for managing the DB2 DDL/DML & MongoDB scripts for a release and responsible for sync-up of DDL/DML across environments. Performed DDL/DML Script execution using SQL Developer
* Involved in Static Code analysis (such as SonarQube/Find Bugs) and perform code fixes to address findings.
* Worked on Setting up Veracode Integrations for ACMP applications to perform Static scans to track application security policies finding and remediating flaws. Working on fixes for Veracode Application Security findings
* Took lead on the DevOps initiative in working with operations team to get ACMP migrated to the new DevOps platform (Bitbucket, Bamboo) from ClearCase and Build Forge.
* Performed Builds/Deployments using Build Forge and ClearCase and Created documentation for new features and updated existing DITA topics for Rational Build Forge
* Prepared technical documentation for all set up and configuration steps for ClearCase migration to Eclipse IDE using Bitbucket Repositories.
* Involve in all facets of software development life cycle.

**Environment:** **GIT, Bitbucket, Linux, AWS, Maven, Agile,** Java/J2EE, Spring boot, Bamboo, SonarQube, Udeploy, Veracode, ClearCase, WebSphere, Build Forge, SQL Developer, IBM Data Studio, MongoDB

**XTO Energy, Fort Worth, TX**

**DevOps/AWS Engineer Feb 16 – Jul 17**

**Responsibilities:**

* Configured and Managed **CI/CD** Pipeline using **Jenkins, Git** and Integrated GIT with Jenkins to automate the code check-out process and automating Builds and deployments using **Maven** as build tool.
* Automated OS and application deployments (server, configurations, application code).
* Build scripts using **ANT** and **MAVEN** in **Jenkins** to move from one environment to other environments. Managed Maven project dependencies by creating parent-child relationships between projects.
* Created Branches, Labels and performed Merges in **Stash** and **GIT**. Maintained GIT source code tool.
* Developed a fully automated continuous integration system using **Git, Jenkins, MySQL,** and custom tools developed in **Python** and **Bash.**
* Responsible for creating different versions of **Docker images**, Compose **Docker Registry** from the application source code and pushing them to nexus repository. Created looper pipelines from the **GitHub** source code for creating Docker images.
* Created **Docker Daemon** sets for deploying fluent bit on **Kubernetes** clusters.
* Created and managed Jenkins pipelines for **kubernetes** deployment and responsible for maintaining the kubernetes clusters.
* Responsible for watching alerts from **Prometheus** about **kubernetes nodes**, disk usage, memory, app restarts and different alerts and responsible for troubleshooting them.
* Created private cloud using **Kubernetes** that supports DEV, TEST, and PROD environments
* Automate the compute resources for efficiency using **OpenShift** platform.
* Wrote **Ansible playbooks** to manage configurations and automate installation process. Experience with **Ansible Tower** to manage Multiple Nodes and Manage Inventory for different Environments.
* Wrote **Ansible playbooks** for virtual and physical instance provisioning, Configuration management, patching and software deployment on Open stack environments through automated tools, **Ansible** / custom pipeline.
* Used **Groovy** scripts for CI/CD pipeline builds, and actively involved in the entire pipeline setups and Jenkins’s configurations.
* Responsible for deploying **Splunk** universal forwarder on different **kubernetes** clusters for forwarding the log reports and data to the Splunk instance for monitoring.
* Installing and configuring **Terraform** and building the infrastructure using terraform configuration file
* Written Templates for AWS infrastructure as a code using **Terraform** to build staging, production environments.
* Database monitoring and data validation reports in **SQL Server Reporting Service** (SSRS 2008)
* Redesigned and redeployed the **Nagios** implementation.
* Prepared **Ruby** codes, programming of web applications and testing services on daily basis
* Developed processes, tools, automation for **Jenkins** based software for build system and delivering SW Builds. **Configured Jenkins for doing the build in all the non-production and production environments.**
* Deployed **J2EE** applications to Application servers in an agile continuous integration environment and automated the whole process.
* Extensively Used **Jenkins** as Continuous Integration tools to deploy the **Spring Boot** Microservices & APIs
* Developed the **Spring Boot Rest Service** that involves crud operations and deployed in **(AWS) EC2** instance.
* Created monitors, alarms, and notifications for **AWS EC2** hosts using **CloudWatch.**
* Architected a Lamp Stack application in AWS using **VPC, Route 53, Elastic Beanstalk, SQS, SNS**, and **RDS MySQL**.
* Configured AWS Identity Access Management **(IAM)** Group and users for improved login authentication.
* Configured AWS Virtual Private Cloud **(VPC)** and Database Subnet Group for isolation of resources within the Amazon **RDS** **Aurora DB** cluster
* Create **AM**I images of critical **AWS EC2** instances as backup.
* Configured **AWS Virtual Private Cloud** environment and networking inside the **VPC**.
* Designed AWS architecture, **Cloud migration**, **RDS, Elastic Beanstalk, AWS EMR**, **Dynamo DB**, **Redshift,** and event processing using **lambda** function. Creating database objects in AWS **Redshift**
* Managed Virtual servers (**Ubuntu Linux** and **Windows**) on **AWS EC2** using Open-Source Server.

**Environment:** Ansible, Docker, OpenShift, **AWS,** Splunk, Kubernetes, Terraform, PowerShell, **Ruby, GIT, LINUX/UNIX, ANT, MAVEN, Jenkins, MS-Build**, Python, **Agile,** Java/J2EE, Spring boot

**BestBuy, Richfield, MN**

**DevOps/Azure Cloud Engineer April 14 – Jan 16**

**Responsibilities:**

* Developed and implemented Software Release Management strategies for various applications according to the Agile process.
* Involving in debugging issues, resolving functional issues to provide bug free software releases to end customers. Worked with JIRA for issue tracking and monitoring.
* Manage and Create Storage Account and Affinity Group in Azure Portal.
* Deploy and maintain compute on Azure Cloud.
* Automate deployment and troubleshoot for faster service.
* Designed and configured Azure Virtual Networks (VNets), subnets, Azure network settings, DHCP address blocks, DNS settings, security policies and routing.
* Managed Azure Kubernetes Services (**AKS**) to deploy microservices-based applications.
* Implemented high availability with Azure Classic and Azure Resource Manager deployment models.
* Provide an estimate for DC migration to Azure Cloud Environment.
* Understanding of Azure DB offerings (Relational, NoSQL, Datawarehouse)
* Familiarity with Azure Security Services (Azure Active Directory, RBAC, Key Vault)
* Created and managed cloud VMs with AWS EC2 command line clients and AWS management console.
* Created AWS S3 buckets and glacier vaults for backup and archive purposes of database instances periodically to save snapshots of data.
* Setup Elastic load-balancers for different applications to ensure high availability of applications.
* Worked on Autoscaling, CloudWatch (monitoring), AWS Elastic Beanstalk (app deployments), RDS, Amazon S3 (storage) and Amazon EBS (persistent disk storage).
* Used Amazon Route53 to manage DNS zones and give public DNS names to elastic load balancers IP.
* Implemented AWS High-Availability using AWS Elastic Load Balancing (ELB), which performed a balance across instances in multiple Availability Zones.
* Build and configured Jenkins slaves for parallel job execution.
* Database monitoring and data validation reports in SQL Server
* Creating from scratch a new continuous integration stack based on Docker and Jenkins, allowing transition from development stations to test servers easily and seamlessly.
* Created local, virtual repositories in Jfrog Artifactory and integrated with Jenkins.
* Architected and implemented automated cloud infrastructure using Chef.
* Developed Chef Cookbooks to ease web application deployment for Python, Ruby and Node.js
* Implemented new Chef Cookbooks to support Python applications.
* Developed Chef Recipes to configure, deploy and maintain software components of the existing Infrastructure. Used Chef Automation tools for configuration management in different systems.
* Configured Docker container for branching purposes. Reduced build & deployment times by designing and implementing Docker workflow.
* Created and maintained GIT repositories to client specifications and migrated projects from SVN to GIT.
* Build and administrate Continuous Delivery pipelines using Git, Vagrant and Jenkins.
* Attending SCRUM meetings from feature complete until technical acceptance phases of project.

**Environment:** SVN, AWS, Azure, Jenkins, Ruby, Python, Docker, PowerShell, ANT, MAVEN, GIT, Jira, Web Sphere, Shell Scripts, LINUX, and UNIX.

**BJC, St. Louis, MO**

**Build/Release Engineer Jun 11 – Mar 14**

**Responsibilities:**

* Developed and supported the Software Release Management and procedures.
* Responsible for design and maintenance of the **Subversion/GIT** Repositories, views, and the access control strategies. Performed all necessary day-to-day Subversion/GIT support for different projects.
* Implemented & maintained the branching and build/release strategies utilizing **Subversion/GIT**.
* Familiarity with the fundamentals of Linux scripting languages and experience with Linux servers in virtualized environments
* Involved in periodic archiving and storage of the source code for **disaster** recovery.
* Used **ANT** and **MAVEN** as a build tool on java projects for the development of build artifacts on the source code.
* Deployed **Puppet, Puppet Dashboard**, and **Puppet DB** for configuration management to existing infrastructure.
* Wrote **Puppet manifests** for deploying, configuring, and managing collected for metric collection and monitoring. Managed Puppet infrastructure through major version upgrades.
* Worked on Java based applications, responsible for writing business logic using **Java, Maven, Spring Boot, Rest web services** web technologies
* Deployed the **Java** applications into web application servers like **Web logic**.
* Expertise in **Unix** and **Linux** system installation, configuration, administration, the development and testing of backup and recovery methodologies, troubleshooting, capacity and performance planning, performance tuning, preventative maintenance, monitoring and alerting setup and security hardening.
* Executed user administration, maintenance tasks, creating users and groups, reports and queries.
* Worked as a system administrator for the build and deployments process on the enterprise server.
* Documented project’s software release management procedures with input decisions.
* Developed, maintained, and distributed release notes for each scheduled release.
* Used continuous integration tool like **Anthill pro** to automate the daily processes. Created views and appropriate meta-data, performed merges, and executed builds on a pool of dedicated build machines.

**Environment:** Subversion, GIT, Anthill pro, Python, Java/J2EE, Spring boot, ANT, MAVEN, JIRA, LINUX, UNIX, XML, Web logic, MY SQL, Perl Scripts, Puppet, Shell scripts.