A picture containing text, clipart

Description automatically generated**Sujitha Thummalapalli**

**Sr. DevOps Engineer**

**Contact No: (470)-502-5941**

**Email ID:** [**sujithats90@gmail.com**](mailto:sujithats90@gmail.com)

**LinkedIn:** [**linkedin.com/in/thummalapalli-sujitha-23b844212**](https://www.linkedin.com/in/thummalapalli-sujitha-23b844212)

**PROFESSIONAL SUMMARY:**

Experienced DevOps Engineer with 10+ years in the IT industry, specializing in Private, Public, and Hybrid Cloud platforms like Azure, AWS, and OpenStack. Proficient in Docker, Kubernetes, Terraform, Ansible, Jenkins, and Configuration Management. Also, 4 years of successful Linux Administration background, ensuring efficient and secure system operations. Results-oriented professional with a proven track record in optimizing deployment pipelines, automating infrastructure, and enhancing system reliability.

* Worked with a broad portfolio of AWS & Azure infrastructure resources.
* Collaborated with development teams to create and maintain efficient CI/CD pipelines using AWS CodePipeline, CodeBuild, and CodeDeploy, resulting in accelerated software delivery.
* Utilized Azure DevOps services such as Azure Pipelines, Azure Repos, and Boards.
* Implemented scalable, resilient, and cost-effective cloud architectures on Azure, leveraging services like Azure Virtual Machines, Azure Kubernetes Service, and Azure App Services.
* Conducted vulnerability assessments and security scans in various stages for early detection and mitigation of security threats through Sonar and Aqua scans.
* Worked with containerization and clustering technologies like Docker, Docker Swarm, and Kubernetes along with the development of Microservices architecture using Spring Boot.
* Implemented Docker Compose to manage multi-container applications and orchestrated services across AWS and Azure cloud environments.
* Led the implementation and integration of DevSecOps practices into the software development lifecycle.
* Experience in Converting DevOps methodologies into the DevSecOps model by introducing security/vulnerability scans in different phases of DevOps.
* Implemented the DevSecOps model, integrating security practices throughout the entire development and deployment lifecycle.
* Checked routine updates of the SCM tools GitHub, GitLab, and Bitbucket ensured they were well-updated with up-to-date security patches and features.
* Expertise in the Integration of Spinnaker with CI/CD tools like Jenkins, and CircleCI for the software delivery process.
* Configured Travis CI to run build and test processes across different platforms and operating systems.
* Created new build jobs using Maven, Integration testing jobs, and deploying jobs in Bamboo to automate the process.
* Strong understanding of infrastructure automation tools like Cloud Formation Templates and Terraform.
* Integrated Bitbucket, SonarQube, and Nexus repository with Azure DevOps for automated CI/CD pipelines.
* Worked on Terraform key features such as Infrastructure as Code, Execution plans, Resource Graphs, and Change Automation.
* Performed L2 & L3 level Full Life-cycle triage for all events on production servers including Incident logging and troubleshooting.
* Integrated Kibana with Elasticsearch to seamlessly visualize and analyze data stored in Elasticsearch indices.
* Created CI/CD pipelines for .NET, Java, and Python apps in Azure DevOps by integrating Bitbucket, SonarQube, and Nexus repository.
* Utilized Groovy to build complex pipelines in Jenkins.
* Created deployment areas such as testing, pre-production, and production environment in Azure Kubernetes Service.
* Configured App Insights, Prometheus, and Grafana monitoring dashboards for regular analysis.
* Led the migration of legacy applications to Azure Kubernetes Service (AKS), improving scalability and resilience while reducing infrastructure costs.
* Hands-on in using OpenShift for container orchestration with Kubernetes, container storage, and automation, to enhance container platform multi-tenancy.
* Deployed a managed Kubernetes cluster in Azure and created an AKS cluster in the Azure portal, with the Azure CLI.
* Mentored junior team members, sharing SRE expertise, and best practices, and fostering skill development within the team.
* Configured AppDynamics cluster agent to monitor Kubernetes Service pod failures and restarts.
* Worked on Prometheus with the Grafana plugin to monitor AKS workloads.
* Implemented Terraform to provision and manage AWS and Azure resources, resulting in consistent and repeatable deployments.
* Utilized Ansible playbooks and roles to automate the provisioning and configuration of various services and middleware components in different environments.
* Deployed microservices-based applications in Azure Kubernetes Services (AKS) by using Helm Charts, Ingress API Gateway, MySQL, SQL Databases, and Cosmos DB for stateless storage of external data.
* Managed Apache Kafka clusters, ensuring their availability, scalability, and performance.
* Expertise in deployment strategies like Blue/Green Deployment, and Canary deployment.
* Experience with AWS instances spinning across Dev, Test and Pre-production, and Cloud Automation through Open-Source DevOps tools like Ansible, & Docker.
* Expertise in Installation and configuration of Puppet which includes Puppet Master, and Agent Nodes.
* Integrated security practices into SRE processes, ensuring compliance with industry standards and regulations.
* Extensively worked on Hudson, and Jenkins for continuous integration and End-to-End automation for all build and deployments.
* Developed build and deployment scripts using ANT, Gradle, and Maven as build tools in Jenkins to move from one environment to another environment and create new jobs and branches through Jenkins.
* Working expertise on all aspects of Ansible concepts like Control Node, Managed Nodes, Inventory, Modules, Tasks, Playbooks, etc.
* Expertise in Implementation of access controls and key policies in HarshCorp Key Vault to enforce least privilege and ensure data security.
* Written Ansible playbooks and roles to Provision several pre-prod environments consisting of Cassandra DB.
* Expertise in the Integration of ServiceNow with LDAP authentication.
* Extensive experience in integrating Chef cookbooks into Jenkins jobs for CD framework.
* Expertise in writing Shell and Python scripts to automate various tasks, reduce manual effort, and improve operational efficiency.
* Worked on Dynatrace APM tool for full stack monitoring and configured management zones, Davis AI, synthetic monitors, RUM, dashboards. I have installed One agents in more than 2000+ hosts and 50+ Kubernetes nodes.
* Expertise in building microservices using Golang, contributing to the modularization and maintainability of the overall application architecture.
* Ability to deploy the developed code in a WebSphere/WebLogic/Apache Tomcat/JBoss, IIS7.
* Actively monitored AWS and Azure cloud resources using tools like CloudWatch, Azure Monitor, and Log Analytics.
* Implemented effective logging and monitoring solutions using Splunk, aggregating and analyzing system logs to proactively identify issues and improve system performance.
* Strong use of Shell Scripting languages including BASH for Linux and Mac platforms and PowerShell for Windows systems and automation of scripts using Python.
* Worked closely with development and QA teams to configure and maintain build and test environments on AWS and Azure cloud platforms.
* Experience in using bug tracking systems like JIRA, Remedy, and HP Quality Center.
* Actively participated in Agile and Scrum methodologies, contributing to sprint planning, and stand-ups.

**EDUCATION**

Bachelor of technology in Computer Science from Padmavati Mahila Vishvavidyalayam, India.

**CERTIFICATIONS**

* AWS Certified Developer Associate
* Certified Kubernetes Administrator
* Azure Administrator Associate

**TECHNICAL SKILLS:**

|  |  |
| --- | --- |
| **Cloud Platforms** | AWS, Azure |
| **Configuration Management Tools** | Terraform, ARM templates, Ansible, Chef, Puppet. |
| **CI /CD Tools** | Jenkins, Azure DevOps Pipelines, AWS Code Pipeline, GitLab CI/CD, GitHub Actions, Bamboo, Travis CI, Circle CI. |
| **Build Tools** | Maven, ANT, Gradle. |
| **Containerization Tools** | Docker, Docker Swarm, Kubernetes, Mesos, OpenShift, AWS ECS. |
| **Version Control Tools** | GIT, GitHub, GitLab, Bitbucket, SVN. |
| **Logging & Monitoring Tools** | CloudWatch, Azure Monitor, Prometheus, Grafana, New Relic, Nagios, Splunk, ELK Stack, DataDog, Dynatrace, Kibana. |
| **Vulnerability Scanner Tools** | SonarQube, Veracode, X-Ray. |
| **Scripting & Programming Languages** | Shell Scripting, PowerShell, YAML, XML, Ruby, Java, Golang, Python, Groovy, .Net, Node.js. |
| **Databases** | My SQL, MS SQL, PostgreSQL, MongoDB, DynamoDB, and Aurora Global DB. |
| **Application/Web Servers** | Web logic, Web sphere, Apache Tomcat, Nginx, Apache Kafka. |
| **Operating Systems** | UNIX, Linux, Windows, Solaris, CentOS, UBUNTU and RHEL. |
| **Virtualization Platforms** | VMware Workstation, Vagrant, VMware vSphere ESXi 5.x/4.X, ESX /3.x, Hyper-V. |
| **Bug Tracking Tools** | JIRA, ServiceNow, Bugzilla, Mingle. |
| **Registry** | JFrog Artifactory, GitHub, Nexus. |
| **Key Vault’s** | AWS Key Management Service, Azure Key Vault, HarshCorp Key Vault. |
| **Deployment Strategies** | Canary, Blue/Green. |
| **Web Technologies** | HTML5, CSS, JavaScript, jQuery, Bootstrap, XSD, XSL, XPATH, WordPress. |

**PROFESSIONAL EXPERIENCE:**

**Client: Domino’s Pizza, MI, USA Jan 2023 – Till Date**

**Role: Sr. DevOps Engineer**

**Roles & Responsibilities:**

* Designed and implemented a continuous build-test-deployment (CI/CD) system with multiple component pipelines using Jenkins to support weekly releases and out-of-cycle releases based on business needs.
* Experience with container-based deployments using Docker, working with Docker images, Docker Hub and Docker-registries and Kubernetes.
* Lead transition from manual configuration and deployment to ‘infrastructure as code’ using Chef, including design and implementation of cookbooks and tooling.
* Built and managed a large deployment of RedHat Linux instances systems with Chef Automation.
* Implemented automated local user provisioning VMs created in OpenShift and AWS cloud through Chef Recipes.
* Experienced Cloud and DevOps engineer in Automating, Configuring, and deploying instances on AWS, AZURE Cloud environments and Data centers.
* Involved working with a PaaS solution such as RedHat OpenShift.
* Used Jenkins pipelines to drive all micro services builds out to the Docker registry and then deployed to Kubernetes, Created Pods and managed using Kubernetes.
* Building/Maintaining Docker container clusters managed by Kubernetes Linux, Bash, GIT, Docker, on AWS. Utilized Kubernetes and Docker for the runtime environment of the CI/CD system to build, test deploy.
* Involved in development of test environment on Docker containers and configuring the Docker containers using Kubernetes.
* Rrefactoring of monolithic applications to Microservices and Component based architectures.
* Worked with OpenShift platform in managing Docker containers and Kubernetes Clusters.
* Worked on infrastructure with Docker containerization and maintained Docker Images and containers.
* Resolved 30+ customer complaints everyday related to Jenkins, Git, ClearCase, Nexus, Sonar, Java.
* Created Jenkins CICD pipelines for continuous build & deployment and integrated Junit and SonarQube plugins in Jenkins for automated testing and for Code quality check.
* Integrated SonarQube with Jenkins for continuous inspection of code quality and analysis with SonarQube scanner for Maven.
* Provision virtual servers using vagrant and kitchen in Oracle VM virtual box, provisioned servers in Amazon EC2.
* Streamlined installation of OpenShift on partner cloud infrastructure such as AWS.
* Creating the automated build and deployment process for application, re-engineering setup for better user.
* Utilized Kubernetes for the runtime environment of the CI/CD system to build, test deploy.
* Deployed virtual machines and another instance through OpenStack to handle different task force.
* Troubleshooting any part of the lifecycle services within the OpenStack including log files, message queues, database, computer hardware, and network connectivity.
* Provided infrastructure support and user support for OpenStack based private cloud.
* Installation, Configuration & Integration of RedHat OpenStack-Cloud platform.
* Responsible for OpenStack project core infrastructure including code review, continuous integration systems and development tools.
* Experience, and leading up to building a continuous integration system for all our products.
* Implemented AWS solutions using EC2, S3, RDS, EBS, Elastic Load Balancer, Auto scaling groups.
* Managed Chef Cookbooks to automate system operations.
* Integration of Maven/Nexus, Jenkins, Urban Code Deploy with Patterns/Release, Git, Confluence, JIRA and Cloud Foundry
* Using Jenkins AWS Code Deploy plugin to deploy to AWS.
* Changing the AWS infrastructure Elastic Beanstalk to Docker with Kubernetes.
* Defining Release Process & Policy for projects early in SDLC.
* Migrated Containers running at On-Prem OpenShift cluster to EKS Cluster by writing HELM Charts and integrating with Jenkins, Azure DevOps Pipelines.
* Worked on deployment automation of all the micro services to pull image from the private docker registry and deploy to docker swarm cluster using Ansible.
* Implemented infrastructure as code using AWS CloudFormation and Infrastructure as Code (IaC) tools like Terraform to ensure consistent and reproducible deployments.
* Have set up infrastructure using Terraform and have written YAML scripts. Have used terraform modules for creating dependencies between the microservices in both Azure and AWS cloud.
* Experience in Converting Existing Terraform modules that had version conflicts to utilize CloudFormation templates during deployments, worked with Terraform to create stacks in AWS and updated the Terraform scripts based on the requirement on a regular basis.
* Using Chef, deployed and configured Elasticsearch, Logstash and Kibana (ELK) for log analytics, full text search, application monitoring in integration with AWS Lambda and CloudWatch.
* Implemented Dynatrace monitoring solutions for applications and infrastructure, ensuring real-time visibility into system performance, bottlenecks, and anomalies.
* Used Java fundamentals like parallel streams and filters through lambda expressions to handle searching.
* Configure and deploy AWS Lambda service to run codes in response to events and automatically manage resources.
* Optimized volumes and lambda S3 instances and used IAM to create new accounts, roles, and groups.
* Developed advanced Ansible playbooks, roles, and custom modules to address challenging automation issues, contributing to the team's knowledge and efficiency.
* Configured lambda S3 versioning and lifecycle policies to and backup files and archive files in Glacier.
* Configured Elastic Load Balancers (ELB) with EC2 Autos calling groups.
* Created monitors, alarms and notifications for EC2 hosts using Cloud Watch.
* Experienced in setting up Application Metrics dashboards using tools such as Elasticsearch, Kibana, Splunk, Datadog.
* Network troubleshooting was performed to identify and resolve connectivity issues, latency issues, and packet loss.
* Enhanced service reliability by implementing Service Level Objectives (SLOs) and Service Level Indicators (SLIs), leading to improved uptime and customer satisfaction.
* Implemented performance monitoring solutions to analyze system behavior under various loads, enabling proactive adjustments to prevent performance bottlenecks.

**Environment:** AWS**,** IAM, CloudWatch, CloudFormation, AWS Secret Manager, AWS CodePipeline, Elastic Container Registry (ECR), Elastic Kubernetes Service (EKS), Migration, Cost Explorer, CloudCheck, Terraform, Chef, Ansible, Docker, Jenkins, GitLab, GitHub, GIT, SonarQube, Nexus, OpenShift, Nagios XI, Apache Tomcat, ELK Stack, Prometheus, Grafana, DataDog, ServiceNow, Python, JIRA.

**Client: CEI America, Orlando, FL Nov 2021 – Nov 2022**

**Role: Sr. Azure DevOps Engineer | SRE and Support**

**Roles & Responsibilities:**

* Managed continuous delivery, deployment, and monitoring processes in Azure DevOps.
* Utilized Terraform modules and Ansible playbooks for consistent infrastructure deployments and application management.
* Developed ARM templates with nested templates and shared templates to facilitate the deployment of all Azure infrastructure.
* Evaluated Docker components, including Docker Engine, Docker Hub, Machine, Compose, and Docker Registry.
* Worked on various Azure services, including Compute, App Services, Blobs, Resource Groups, Azure Data Lake, Azure Data Factory, Azure SQL, and ARM Services.
* Designed and Implemented Migration Strategies for on-premises resources to Azure Cloud using Lift & Shift and Azure Migrate.
* Led the migration of on-premises resources to Azure Cloud using Azure Site Recovery.
* Implemented Azure Active Directory for seamless single sign-on access to cloud SaaS applications.
* Integrated ServiceNow with external tools and systems using REST APIs and web services.
* Automated Azure IAAS VMs using Terraform modules and set up Kubernetes clusters with automation via Ansible playbooks.
* Tracked and reported on key security metrics and KPIs to measure the effectiveness of DevSecOps initiatives.
* Implemented Continuous Integration using Ansible, Chef, and GIT, and optimized CI with Jenkins.
* Utilized GIT repository for version control of Terraform files and integrated cloud formation during Terraform deployments.
* Implemented Bitbucket integration with Jenkins to automate the development process through SCM polling.
* Automated the provisioning of hybrid solutions, connecting Azure to on-prem resources through Infrastructure as Code, Azure Express Route, and Azure Hybrid Connections.
* Evaluated, selected, and integrated DevSecOps tools and solutions into the development pipeline.
* Involved in Migration of on-premises data to Azure Data Lake using Azure Data Factory.
* Designed and implemented Azure Site Recovery for disaster recovery scenarios and smooth workload migration.
* Successfully migrated Jenkins pipeline to Azure Pipelines, facilitating container-based builds and agent deployment, and transferring environment variables to Azure DevOps.
* Created and maintained Azure DevOps pipelines for CI/CD and Release Management workflows.
* Integrated Nginx with Jenkins CI/CD pipelines to automate the deployment of web applications and configurations.
* Collaborated with cross-functional teams to integrate Azure Key Vault into CI/CD pipelines.
* Developed build workflows using Gradle, Gitlab-CI, Docker, and OpenShift.
* Deployed containerized applications using Docker and Docker SWARM Cluster for custom web applications and automated deployments using Vagrant.
* Introduced Security, and Vulnerability scans in the DevOps process, including Sonar scans and Aqua scans.
* Integrated SonarQube to the CI/CD pipeline for sonar scans, improving code quality.
* Utilized Aqua Trivy Scans to assess the security of container images and identify vulnerabilities.
* Utilized Azure Databricks for complex machine-learning tasks.
* Deployed microservice applications on Azure Kubernetes using Azure Kubernetes Service (AKS) and Kubernetes Cluster for cluster management.
* Experience working with Red Hat OpenShift Container Platform for Docker and Kubernetes.
* Configured Azure Role-based Access Control (RBAC) for strengthened security and access management.
* Integrated Kafka with CI/CD pipelines to automate the deployment of Kafka-related components.
* Experience in managing Zookeeper, configuration files, and adjusting parameters for optimal performance, stability, and coordination among nodes.
* Leveraged ISTIO for streamlined microservices communication and seamless integration with Kubernetes deployments.
* Installed, and Configured Ingress Nginx Controller in Kubernetes clusters to enable external access to services.
* Implemented Nginx load balancing to distribute incoming traffic across multiple backend servers, ensuring high availability and scalability of web applications.
* Evaluated system logs using ELK stack.
* Designed and implemented robust monitoring and alerting systems using tools like Prometheus, Grafana, and DataDog.
* Worked closely with development, operations, and security teams to align SRE practices.
* Implemented Dynatrace to monitor application performance and gather insights into user experience.
* Worked with Azure Monitoring tools, including Azure Network Watcher, and Azure Service Health, to diagnose issues and minimize service degradation.
* Effectively used Trivy to detect Common Vulnerabilities and Exposures in container images.
* Proficient in deploying and managing PAAS Azure services using ARM Templates and leveraging Log Analytics for resource addition and Dashboard creation.
* Efficiently tracked and managed tasks, defects, and project progress using Jira as a powerful project management and issue-tracking tool.
* Effectively collaborated with cross-functional teams and facilitated knowledge sharing and workflow with Confluence, ensuring improved team productivity.

**Environment:** Azure DevOps, Azure Services, ARM templates, Azure SQL, Azure Active Directory, Cosmos DB, Terraform, Ansible, Jenkins, GIT, Bitbucket, Python, Docker, Azure DevOps, Migration, SonarQube, Azure Databricks, Red Hat OpenShift Container Platform, Azure Kubernetes Service (AKS), Azure Container Registry (ACR), ISTIO, ELK stack, Azure Log Analytics, ZooKeeper, Dynatrace, Azure Key Vault, Azure Pipelines, Nginx, Prometheus & Grafana, Kafka, Jira, Confluence.

**Client: Prime Therapeutics, MN, USA Mar 2020 – Sep 2021**

**Role: DevOps Engineer | Cloud Platform Engineer**

**Roles & Responsibilities:**

* Worked for multiple development and system analysis teams, establishing build schedules and deployment guidelines for higher environments, and troubleshooting build system failures.
* Configured Azure cloud services, Azure Firewalls, Azure IAM (SSO/MFA/RBAC), Azure Active Directory (AD), Azure Resource Manager (ARM), Azure Storage, Blob Storage, Azure VMs, IIS, SQL Database, Azure Functions, Azure Service Fabric, Azure Monitor, and Azure Service Bus et.,
* Migrated new projects to Jenkins and assisted developers in refactoring Maven Pom.xml to use Artifactory.
* Documented process guides for Jenkins, GIT, CD Pipeline, and code deployment for developers, testers, and production management.
* Integrated container security into DevSecOps pipelines for continuous monitoring.
* Worked on branching and merging code lines in GIT, resolving merge conflicts.
* Integrated GIT with Jenkins pipelines to trigger automatic builds and deployments upon code changes.
* Led the migration of legacy encryption processes to HarshCorp Key Vault, resulting in enhanced security and streamlined key management.
* Worked on installing OpenShift-logging operator on the cluster to get the logs for application, audit, and infrastructure in Kibana.
* Worked on installing the OADP operator on the OpenShift clusters for backup and restore of the projects and storing them in the S3 Bucket.
* Implemented new project build frameworks using Jenkins and Maven as build tools.
* Worked on creating, configuring, and managing AKS clusters in Azure, including managing node pools, configuring networking, and setting up load balancing.
* Managing the Azure Kubernetes Services (AKS) policies, providing access to different Azure resources, and developing and improving the workflows that govern access.
* Implemented and maintained Chef Configuration management across VMware and AWS cloud environments.
* Managed WebSphere software upgrades and patches, ensuring that the environment was up to date with the latest fixes and security updates.
* Implemented Serverless Cloud Services using Azure Functions with application insights.
* Configured Azure Security using RBAC, Azure Security Center, and Azure Monitor services.
* Created Jenkins CI/CD Pipeline to schedule turn off/on of non-production environments across multiple AWS Accounts.
* Managed Docker containers in the AWS environment.
* Configured Azure Infrastructure Automation using Terraform scripts and launched various services like AKS, ACR, VM, etc.
* Responsible for day-to-day builds and deployments in pre-production and production environments.
* Implemented Continuous Integration and Continuous Delivery using Jenkins, Puppet, and Shell Scripts.
* Integrated SonarQube for code coverage and Selenium for automated tests.
* Developed and maintained a centralized artifact repository using tools like Nexus, and JFrog.
* Automated the deployment of Kafka clusters using tools like Ansible, Terraform, or Kubernetes.
* Utilized monitoring tools like Prometheus, Grafana, or New Relic to closely monitor the behavior and performance of both Blue/Green environments.
* Utilized Docker and container orchestration tools like Kubernetes to streamline application deployment.
* Utilized Dynatrace to monitor containerized applications and microservices.
* Utilized custom scripts and hooks in Travis CI to execute database migrations.
* Monitored system infrastructure to ensure zero downtime, perform periodic backups, and troubleshoot failures.
* Integrated New Relic with AWS to monitor cloud resources, ensuring seamless visibility across the entire infrastructure.
* Used Nagios XI for overall server performance monitoring and log management.
* Implemented Splunk correlation searches and notable event detection to identify and respond to real-time security threats and incidents.
* Proficient in Bash Shell Scripting and automation of CRON Jobs.
* Generated scripts for effective integration of JIRA applications with other tools.

**Environment:** Jenkins, Maven, Artifactory, GIT, Docker, Azure, Azure DevOps, Puppet, CloudWatch, Chef, VMware, AWS, SonarQube, Selenium, WebSphere, HarshCorp Key Vault, Kafka, Travis CI, Dynatrace, Nexus, JFrog, Kubernetes, OpenShift, Nagios XI, Nagios Plugin, Splunk, New Relic, Bash Shell Scripting, JIRA.

**Client: Cigna Corp, CT Sep 2018 – Mar 2020**

**Role: DevOps Engineer**

**Roles & Responsibilities:**

* Automated the release pipeline for zero-touch deployments using Jenkins, SVN, Nexus, and Nolio.
* Developed post-commit and pre-push hooks in Python for code checks.
* Developed Scripts for AWS Orchestration using EC2, EBS, S3, Cloud Formation, and IAM.
* Installed Ansible Registry for local upload and download of Docker images from the Docker hub.
* Maintained build-related scripts developed in shell for Maven builds.
* Took sole responsibility for maintaining the Jenkins server.
* Utilized A/B testing methodologies within canary deployments to compare user responses to different versions of software.
* Developed automated deployment pipelines using tools like Jenkins, and GitLab CI/CD, ensuring consistent and repeatable Blue/Green releases.
* Automated deployment of build artifacts like wars and ears into a WebLogic app server by integrating the WebLogic Scripting Tool into Shell Scripts.
* Built Jenkins jobs to create AWS infrastructure from GitLab repos.
* Automated deployment and server bounce process by creating scripts using the WebLogic Scripting Tool.
* Implemented backup and recovery strategies for WebLogic domains and application data.
* Implemented DataDog to monitor infrastructure health and resource utilization.
* Integrated SonarQube for early Bug Detection and Prevention in the development lifecycle.
* Used Maven dependency management system to deploy snapshots and release artifacts to Nexus.
* Experience in writing Jira API Tools to auto-move Service Desk tickets.

**Environment:** SVN, Jenkins, Nexus, Nolio, AWS, EC2, EBS, S3, Cloud Formation, IAM, GIT, Chef, Perl, Maven, Puppet, Ansible, Docker, WebLogic Tool, Python Scripts, Shell Scripts, Blue/Green, Canary, DataDog, SonarQube, Linux, Nexus, Splunk, Jira.

**Client: Reliance, India May 2015 – Dec 2016**

**Role: DevOps Automation Engineer**

* Designed and implemented a CI/CD pipeline using Jenkins for a web application.
* Active participant in the university's DevOps club, attending workshops and collaborating on projects.
* Participated in online courses related to DevOps practices, including courses on Udacity, Coursera, or other platforms.
* Contributed to open-source projects related to automation and infrastructure management on GitHub.
* Performed deployment of Amazon EC2 instances in AWS environment. Performed EC2 instances provisioning on AWS environment and implemented security groups, administered VPCs.
* Designed and Developed Bamboo Build deployments on Docker containers.
* Dockerized CI/CD tools (JENKINS and GIT lab).
* Implemented Docker to provision slaves dynamically as needed. Created and Maintained Docker files in Source Code Repository build images and ran containers for applications and testing purposes. Creating and handling multiple Docker images primarily for middleware installations and domain configurations.
* Worked on migrating and managing multiple applications from on premise to cloud using AWS services like S3, Glacier, EC2, RDS, SQS, SNS, SES, Cloud Formation, VPC etc.
* Created and maintained continuous integration (CI) using tools Jenkins/Maven over different environments to facilitate an agile development process which is automated and repeatable enabling teams to safely deploy code many times a day while ensuring operational best practices are supported.
* Design and document CI/CD tools configuration management.
* Responsible for orchestrating CI/CD processes by responding to Git triggers, human input, dependency chains and environment setup.
* Familiarity with monitoring tools like Prometheus and Grafana, and experience setting up ELK Stack for log analysis.
* Basic understanding of Kubernetes and its role in managing containerized applications.
* Gained exposure to IT infrastructure and learned to communicate effectively with cross-functional teams.
* Demonstrated adaptability by quickly learning and applying new technologies in various projects.
* Collaborated with a team to develop an automated deployment solution using Jenkins, Git, and Docker.
* Participated in online courses related to DevOps practices, including courses on Udacity, Coursera, or other platforms.

**Client: Reliance, India May 2012 – Apr 2015**

**Role: Linux System Administrator**

**Roles & Responsibilities:**

* Implemented firewall rules to enable secure communication with applications on new servers, ensuring robust security and proper access controls.
* Implemented secure access with SSH, enabling password-less login using ssh-keygen.
* Worked on RPM and YUM package management, installing and updating.
* Installed and configured Apache/Tomcat web server on UNIX and Linux platforms, enabling seamless hosting of web applications.
* Proficient in installing and managing various services, including LDAP, NFS, DHCP, HTTP, FTP, SSH, and DNS.
* Developed Shell scripts using bash, Perl, and Python to automate system administration tasks.
* Automated RHEL/CENTOS installations with PXEboot and Kickstart, streamlining OS deployment.
* Developed Shell scripts and used SCP for file transfer across servers on cloud and Windows platforms.
* Conducted regular reviews of system logs for errors and set up Cron jobs for automated backups and process monitoring.
* Performed performance monitoring and tuning using tools like Top, prstat, SAR, vmstat, ps, and lostat.
* Utilized Logical Volume Manager for effective volume management, including the creation of physical and logical volumes.
* Configured and managed virtual machines for efficient virtualization infrastructure, including Sphere VM ESX 3.x/2.x.
* Administered and maintained Red Hat 3.0 and 4.0 AS/ES servers, troubleshooting hardware, OS, application, and network issues, and applying performance optimizations and patches.
* Managed disk space efficiently with Logical Volume Manager (LVM).
* Maintained user accounts, groups, directories, and file permissions on Red Hat Linux.

**Environment:** Bash, Perl, Python,Cron jobs, Red Hat Enterprise, CentOS, Sphere VM, GIT, ssh-keygen, SSH, Apache Tomcat, LDAP, DNS, iptables, Troubleshooting, PXEboot, Kickstart, Logical Volume Manager, User Management.