

**Suresh Gudimalla  
 AWS Cloud/Data Engineer**

**devops.workatusa@gmail.com**

**Ph: 559-525-2217**

**Professional Summary:**

* With **13+ years** of strong experience in AWS Cloud/Infrastructure/DevOps environment in Analysis, Design, Development, Testing, Customization, Bug fixes, Enhancement, Support and Implementation of various infrastructure using agile methodology on AWS platform.
* Experienced on deploying, managing, and operating scalable, highly available, and fault tolerant systems with implementing data, security best practices on AWS Services
* Implementing, and supporting the foundational Client AWS infrastructure including but not limited to AWS organizations/accounts, Landing Zone, networking, security, identity, and targeted business applications/integrations.
* Experience in writing Ansible Playbooks using python SSH to manage the configuration of AWS nodes and test the playbooks on AWS instances using python.
* Working experience of AWS services like EC2, S3, Elastic Load Balancer, Elastic Container Service, RDS, Elastic Beanstalk, Cloud Front, VPC, CloudWatch, FSx, Lambda, EKS, Transfer for SFTP, Trusted Advisor, Route53, ECS, Step Functions, Lambda Function SNS, SQS, SCP, AWS Organizations, CloudWatch, Event Bridge, Certificate Manager, Cost Explorer and AWS CLI.
* Experienced in Infrastructure automation using Terraform and AWS Cloud Formation by creating custom launch templates.
* Experience working on Docker with Kubernetes, Used Docker storage, networking, cloud, logging, compose and continuous integration.
* Work on shift rotations for production support and operational readiness support.
* Hands on in installing, configuring, upgrading and managing Puppet masters and agents.
* Solid knowledge on automation for deployment/ configuration of different Application servers like WebSphere, WebLogic and Web Servers like Apache Tomcat.
* Experience in DevOps, software configuration management, Build and Release Management.
* Experience in using version control and source code management tools.
* Knowledge of using Subversion (SVN) and Bitbucket for version control or source code management.
* Experienced to build utilities like Maven, ANT for building of jar, war, and ear files.
* Experience in using Jenkins for automating software development process by continuous integration (CI) and to facilitate continuous delivery (CD) for technical aspects.
* Experienced to write scripts using Python, Groovy, Shell and Ruby.
* Worked on Python/Bash scripts to gather resources metrics from AWS EC2 Instances, and configured Alerts and Dashboards using AWS Cloud Watch Monitoring.
* Experience working with Linux/UNIX and Docker containers.
* Writing/Debugging Docker files to build Application Docker images & deploying them to Kubernetes by writing YAML files and by using kubectl cli.
* Deployed Kubernetes cluster in production using Terraform scripts.
* Ability to use IBM Rational ClearCase, Ant, Maven, Cruise Control, Bamboo, Hudson.
* Experience in various configuration and Automation tools like Chef and Puppet for deploying applications into web servers and DB servers. Maintain large deployments using Chef and Puppet.
* Extensively worked on Source Code Management tools like SVN, GIT, GIT HUB and performed operations namely branching, tagging, merging, repository management, etc.
* Familiarity with DMZ based network architectures and associated infrastructure•
* Able to work as part of a high performing, collaborative team with limited supervision.

**EDUCATION AND CERTIFICATIONS:**

* **Bachelors – Computer Science**, 2004-2008, Jawaharlal Nehru Technological University, Hyderabad, India.
* **Masters- Computer Science,** 2010-2012, Silicon Valley University, California, USA.Certified AWS SysOps Administrator- Associate.
* Cisco Certified Network Associate (CCNA).

**TECHNICAL SKILLS:**

|  |  |
| --- | --- |
| Source/ Version Control Tools | **GIT, GitHub, Bitbucket, SVN** |
| Build Management Tools | **Jenkins, Maven, ANT** |
| Configuration Management Tools | **Chef, Puppet, Ansible** |
| Infrastructure Automation | **Cloud Formation, Terraform and Ansible** |
| Monitoring and Log Management  Tools | **Jira, Nagios and Splunk** |
| Cloud Services | **AWS, Azure, OpenStack (IaaS, PaaS, SaaS)** |
| Containerization Tools | **Docker, Kubernetes** |
| Virtualization Tools | **VMWare, Hyper V** |
| Repositories | **Nexus, JFrog Artifactory** |
| Scripting | **Shell, Python, Ruby and Groovy** |
| Database | **MySQL, Oracle** |
| Routing Protocols | **RIP, EIGRP, OSPF, IS-IS, BGPv4, MP-BGP** |
| Web & Application Servers | **Apache HTTPD, Apache Tomcat, WebSphere, Web logic, JBOSS** |
| Simulators | **Cisco Packet Tracer, Wireshark, GNS 3** |
| Operating Systems | **Red Hat Linux, Linux, Solaris, Cent OS, Ubuntu and Windows** |
| Other Tools | **MS office Suite, File Zilla Client, Putty, .Net** |

**PROFESSIONAL EXPERIENCE:**

**T-Mobile (REMOTE) April 2023 - Current**

**AWS Cloud Engineer/DevOps**

**Responsibilities:**

* Managing initiatives for migration and modernization in AWS cloud environment.
* Participate in planning, implementation, and growth of the infrastructure on Amazon Web Services (AWS) Cloud.
* Automated infrastructure migration to cloud environment using CloudFormation and Terraform.
* Ceating Jenkins multibranch pipelines to deploy the AWS infrastructure to production and Non-production.
* Created step functions to orchestrate the flow of files processing in S3 based on event triggers.
* Used AWS CloudFront to make files available for download from S3 at edge locations for faster availabilty.
* Maintain SCP in management account and access control using IAM roles, IAM Users and IAM policies.
* Designed and deployed AWS solutions using EC2, S3, EFS, ECS, EKS, Secrets Manger, FSx, SNS, SQS, Elastic Load Balancer, Secrets Manager, Lambda Function, Route53, IAM, Event Bridge, RDS, Certificate Manager, AWS CLI, Auto scaling groups, CloudFront, Step Functions etc.
* Created lambda script using python for SHA 512 calculation and for generating signed URL for accesing the files hosted in S3 through AWS CloudFront.
* Experience with AWS security tools and services: AWS Security Model, IAM (Identity Access

Management), ACM (Amazon Certificate Manager), Security Groups, Network ACLs, Encryption and Firewalls.

* Work closely with the architects and engineers to implement networks, systems, and storage environment that effectively reflect business needs, security requirements, and service level requirements.
* Provide Production support and take care of operational needs for the applications hosted in AWS to make sure the infrastructure is up and running.
* Providing analysis reports and AWS recommendations for cost optimization and security alerts..
* Create roles and users in AWS identity and access management to grant or revoke permissions.
* Deploy CloudFormation stacks using serverless code to create and maintain the infrastructure with the help of serverless.
* Implemented AWS CloudFront to improve the lantecy of the web application hosted in S3, increase high performce and enhance security.
* Work with the PMs closely to prepare and deliver technical solutions for various sized migrations and upgrades.
* Build automated CI/CD pipeline with AWS Code Pipeline, Jenkins and AWS Code Deploy.
* Create and maintain approved Terraform IaC modules to ensure consistency and security.
* Assist with application migrations from acquisition AWS Orgs. to Client Org.
* Design and implement best practices for operational excellence, security, reliability, performance, efficiency, and cost optimization across Cloud platforms
* Create and maintain documentation related to the Client Cloud Program.
* Integrated AWS Dynamo DB using AWS lambda to store the values the items and backup the Dynamo DB streams and implemented Terraform modules for deployment of applications
* Setup CloudWatch alarms, SNS notifications on various AWS services as required.

**Environment**: Ansible, Jenkins, GIT, AWS (VPC, VPN, IAM, Auto scaling, S3, EKS, EC2, ECS, EBS, IAM, Gateways, Security Groups,CloudWatch, Elastic Beanstalk, AWS CLI, SQS, SNS, Secrets Manager, AWS Organizations, SCP, RDS, Lambda, Event Bridge), IaaS, PaaS, Cloud formation, CloudFront, Terraform, serverless, JIRA, code pipeline, code repository, code build, Linux, VMware, Shell, PostgreSQL, Python, Kubernetes, BitBucket.

**Thomson Reuters, Carrollton, Texas Mar 2021 – March 2023**

**AWS Cloud Migration/ Infrastructure Engineer**

**Responsibilities:**

* Managing initiatives for migration and modernization in AWS cloud environment and giving production and operational support until migration cutoff.
* Participate in planning, implementation, and growth of the infrastructure on Amazon Web Services (AWS) Cloud.
* Work with the larger design team to develop a full Hybrid Cloud Solution.
* Automated infrastructure migration to cloud environment using CloudFormation.
* Deploying VPC resources from management account using CloudFormation Stack sets and Code Pipeline.
* Created lambda script using python for HA and scheduled start and stop of instances, setup trigger to AWS lambda using CloudWatch scheduled events.
* Use Control tower CfCT scripts to deploy SCP into management account and deploy CFT stacks to the AWS accounts/Ous.
* Mainitaing the production infrasturcutre and provide critical support for debugging and maintaince. Managing accesss control to prodcution environment accounts.
* Designed and deployed AWS solutions using EC2, S3, EFS, EKS, Secrets Manger, FSx, SNS, SQS, Elastic Load Balancer, Secrets Manager, Lambda Function, Event Bridge, RDS, Certificate Manager, AWS CLI, Auto scaling groups, etc.
* Experience with AWS security tools and services: AWS Security Model, IAM (Identity Access

Management), ACM (Amazon Certificate Manager), Security Groups, Network ACLs, Encryption and Firewalls.

* Providing analysis reports and AWS recommendations for cost optimization and security alerts.
* Create roles and users in AWS identity and access management to grant or revoke permissions.
* Deploy CloudFormation stacks using serverless code to create and maintain the infrastructure with the help of serverless.
* Work with the PMs closely to prepare and deliver technical solutions for various sized migrations and upgrades.
* Help application teams to migrate from on-prem to AWS. Work in triage calls with vendors and app teams to troubleshoot and provision infrastructure as needed.
* Create and Manage IAM Roles and Policies.
* Setup and manage Service Control Policies “SCPs”.
* Support Production network and participate in rotating on-call schedule.
* Develop and maintain AWS Landing Zone resources such as accounts, VPCs, IAM, etc.
* Work closely with Client and acquisition Cloud Security/Engineering staff to align security policies, IaC blueprints, and security guardrails.

**Environment**: Ansible, Maven, ANT, GIT, AWS (VPC, VPN, S3, EKS, ECS, EC2, EBS, IAM, Gateways, Security Groups,

CloudWatch, Elastic Beanstalk, AWS CLI, SQS, SNS, Secrets Manager, AWS Organizations, SCP, RDS, Lambda, Event Bridge), IaaS, PaaS, Cloud formation, Terraform, serverless, JIRA, code pipeline, code repository, code build, Linux, VMware, Shell, PostgreSQL, Python,

Kubernetes.

**American Express GBT – Bothell, WA (REMOTE) Dec 2019 – Feb 2021**

**Sr. AWS/DevOps Engineer**

**Responsibilities:**

* Involved in Design/Architecture of AWS and hybrid cloud solutions.
* Setup and build AWS infrastructure using various resources, VPC, EC2, EKS, S3, IAM, EBS,Lambda, SNS, SQS, SCP, Security Groups, Auto Scaling, Transfer for SFTP, Elastic Beanstalk, Cloud Front, VPC, CloudWatch, Lambda, Trusted Advisor, RDS, Event Bridge, Cost Explorer and AWS CLI.
* Managed Identity and Access Management (IAM) service in AWS for assigning roles and polices to users and used the IAM console to create custom users and groups.
* Communicate with customer to generate correspondence for customer components running on AWS VPC & AWS EKS kubernetes cluster.
* Taking care of production environment operational tasks to ensure continuous and immediate operational support.
* Organizing and coordinating Product Releases, work closely with product development, QA, Support across global locations to ensure successful releases.
* Build automated CI/CD pipeline with AWS Code Pipeline, Jenkins and AWS Code Deploy.
* Provide technical assistance to all phases of the Cloud Program, including Infrastructure as a Service (IaaS), Platform as a Service (PaaS).
* Maintaining Tagging compliance for all the AWS resources, update all the tags using AWS CLI.
* Get resources metrics using AWS CLI, like Max/Avg CPU utilization, Enabling ENA for latest generation of EC2, changing Instance profile/IAM role, Change and describe Instance attributes, resource tagging and Create AMI Image.
* Responsible for DevOps tool upgrades and security patches
* Implemented rapid-provisioning and management for Linux using Amazon EC2, Ansible, and custom Bash scripts. Implement Life-cycle Policy for snapshots.
* Written Templates for AWS infrastructure as a code using Terraform to build staging and production environments.
* Responsible to handle the deployments of infrastructure changes through terraform/cloudformation in both production and non-production environments.
* Deploy Amazon Web Services (AWS) resources using AWS Cloud Formation.
* Created alarms and notifications for EC2 instances using CloudWatch.
* Build Docker containerization with Kubernetes(EKS), collaborated with development support teams to setup a continues delivery environment with the use of Docker.
* Deployed application which is containerized using Docker onto a Kubernetes cluster which is managed by Amazon Elastic Container Service for Kubernetes(EKS).
* Ensuring regular Tag compliance and Patch compliance to the servers.
* Creating S3 buckets and maintained and utilized the policy management of S3 buckets and Glacier for storage and backup on AWS.
* Worked with Jenkins pipeline suite for supporting the implementation and integration of continuous delivery (CD) pipelines into Jenkins.
* Write Python Scripts for automating the build and deployment process.
* Used Ansible and Ansible Tower as Configuration management tool, to automate repetitive tasks, quickly deploys critical applications, and proactively manages change.
* Provisioned and Managed the configurations of multiple servers using Ansible.
* Enable SSH access to servers from the Jump server without key or password using Ansible and shell.
* Define Terraform modules such as Compute and Users to reuse in different environments.
* Configured GIT plugin to offer integration between GIT and Jenkins.
* Deploy built Artifacts to application server using Maven.

**Environment:** Ansible, Maven, ANT, GIT, Nexus, AWS (VPC, VPN, S3, EC2, EBS, EKS, IAM, Gateways, Security Groups, CloudWatch, Elastic Beanstalk, AWS CLI, SQS, SNS, Secrets Manager, RDS, Auto Scaling, Lambda, Event Bridge), IaaS, PaaS, Cloud formation, Terraform, JIRA, Jenkins, Docker, RHEL, VMware, Shell, Bash scripting, SQL, Python, Production Support.

**Client: JP Morgan Chase, Remote|| Dec 2017 – November 2019**

**Role: Azure DevOps Engineer**

* Responsibilities:
*  Well-versed with Agile and Waterfall Methodologies. Actively participated in all phases of development,
* testing, code compilation, application configurations, packaging, building, automating, managing and
* releasing code from one environment to another environment and deployed onto servers.
*  Configured VPCs, subnets, security groups, and route tables to isolate and secure resources while
* optimizing network traffic.
*  Provisioned and managed EC2 instances to support various application workloads, ensuring resource
* availability and scalability.
*  Efficiently attached and detached EBS volumes to Amazon EC2 instances as needed, facilitating instance
* upgrades and data transfers.
*  Seamlessly pushed container images to ECR repositories and pulled images for deployment across different
* environments.
*  Integrated Route 53 with third-party DNS providers and tools as needed to meet specific project
* requirements.
*  Provisioned, configured, and managed Amazon RDS database instances to meet application requirements.
*  Set up mount points on Amazon EC2 instances to access and use EFS file systems across multiple instances.
*  Created and configured Amazon S3 buckets to store and organize data for multiple projects and use cases.
*  Effectively created and configured Amazon SNS topics to facilitate message publishing and notification
* delivery.
*  Expertly set up CloudWatch alarms to monitor key performance metrics and trigger automated responses
* when thresholds are breached.
*  Proficiently created and managed IAM users and groups, ensuring proper access control for team members.
*  Deployed AWS Lambda code from Amazon S3 buckets. Created a Lambda Deployment function and
* configured it to receive events from your S3 bucket.
*  Implemented and managed AWS KMS for encryption key lifecycle management, creating and configuring
* customer master keys (CMKs) to secure sensitive data across multiple AWS services.
*  Demonstrated expertise in AWS Glue, utilizing its capabilities to create and manage ETL jobs, allowing
* seamless data extraction, transformation, and loading processes within AWS environments.
*  Proficient in using AWS Data Brew for data preparation tasks, facilitating easy and efficient data cleansing,
* normalization, and exploration through a visual interface.
*  Integrated Secrets Manager seamlessly with AWS services and applications, streamlining access to critical
* credentials while maintaining high-level security standards.
*  Written reusable Terraform templates for provisioning AWS Services using Terraform to build
* Staging and production environments.
*  Worked on JIRA for defect/issues logging &amp; tracking and documented all my work using CONFLUENCE.
*  Used GitHub as version control to store source code and implemented GIT branching and Merging
* operations.
*  Expertise in designing and implementing CI/CD pipelines using AWS CodeBuild and CodePipeline,
* contributing to accelerated development cycles and reliable deployments.
*  Designed and implemented Jenkins pipelines for automated build, test, and deployment processes,
* ensuring a streamlined CI/CD workflow.
*  Implemented SonarQube as part of the CI/CD pipeline to automatically analyze code quality.
*  Created custom dashboards in New Relic to visualize critical metrics and facilitate quick insights into
* application performance.
*  Installed and configured Apache, Tomcat in ubuntu servers and deployed war files.
*  Used Ansible as a Configuration Management tool to automate repetitive tasks and to quickly deploy
* critical Applications by using Ansible Playbooks, modules and roles.
*  Experience in delivering container-based deployments using Docker and in creating custom Docker images
* using Docker file.
*  Worked on Docker Container Snapshots, removing Docker images and managing Docker Volumes.
*  Utilized Multistage Docker builds to optimize resource utilization, creating leaner production images
* resulting in reduced infrastructure costs.
*  Mitigated security risks by utilizing Distroless images, ensuring that only necessary runtime dependencies
* were included, minimizing potential vulnerabilities.
*  Used Argo Image Updater to automate the process of updating container images within Kubernetes
* deployments
*  Leveraged ArgoCD&#39;s GitOps methodology to manage Kubernetes clusters, syncing declarative definitions
* stored in Git repositories and applying changes automatically.
*  Utilized Checkmarx and identified security vulnerabilities in the source code, performing static analysis to
* detect potential issues like SQL injection, XSS, and more.
*  Utilized Burp Suite to detect security flaws by intercepting and modifying HTTPS requests, suitable for
* manual and automated testing of web applications.
*  Identified vulnerabilities, configuration issues, and malware in networks and systems using Nessus
*  Designed and implemented robust CI/CD pipelines using GitHub Actions, automating build, test, and
* deployment workflows for diverse projects.
*  Employed CI/CD pipeline tools such as Jenkins, GitHub Actions, and Docker for seamless integration of
* security practices into the software development lifecycle, fortifying code deployment against
* vulnerabilities.
*  Experience in deploying Kubernetes cluster on AWS cloud and wrote many YAML files to create many
* services like Pods, Deployments, Auto-Scaling, load balancers, Name spaces, ConfigMap etc.
*  Deploying distributed applications using Docker and orchestration tools like Kubernetes and EKS.
*  Configured and maintained Ingress controller HAProxy to efficiently manage incoming traffic and
* distribute it to backend services.
*  Created and maintained Helm charts to package Kubernetes manifests and application configurations,
* ensuring consistency and ease of deployment.
*  Experience in writing python scripts to automate administrative tasks and management using Cron jobs
* and worked on Python programming.
*  Expertise in networking fundamentals, including TCP/IP, DNS, HTTP(S), and load balancing, to support
* cloud-based and on-premises infrastructure.
*  Leveraged Python extensively to design and develop software systems that interacted with various third-
* party APIs, facilitating data retrieval, system integration, and functionality expansion.
*  Designed, deployed, and managed the EFK stack to centralize log management, leveraging Elasticsearch for
* storage, Fluentd for log aggregation, and Kibana for visualization.
*  Created Python scripts to automate repetitive tasks, improving efficiency and reducing manual workload.
*  Created Prometheus monitoring, Grafana dashboard for cloud infrastructure monitoring.
*  Designing and developing responsive and user-friendly web interfaces using HTML, CSS, and JavaScript
* frameworks.

Skills: AWS, Terraform, Bitbucket, Gradle, Jfrog, Ansible, Docker, Kubernetes, Datadog AWS, Ansible, Jenkins, GCP,

Docker, Kubernetes, ANT, Maven, GIT, PCF, Nexus, Perl, Bash, Shell Scripts, Helm.

**Sr DevOps Engineer Dec 2015- May 2016**

**Vertafore Business Services Inc | Columbus, OH**

* Partner with technology stakeholders to define DevSecOps practices integrate DevSecOps in the SDLC and promote a shift in left security culture across the organization.
* Provide technical leadership to the team to make complex design decisions and the hands-on
* ability to lead by example.
* Served as a core member of an agile team that drives software applications build, tests, and
* deploys through CI/CD automation tools.
* Owning all technical aspects of CI/CD tools that are used for build, testing, and deployment.
* Ensured continuous integration/continuous deployment or development (CI/CD)
* implementations were based on Configuration-as-Code and Pipeline-as-Code, and ensured
* infrastructure was built as Infrastructure-as-Code.
* Built from scratch a development workflow, continuous integration, and deployment pipeline
* using AWS CodeCommit, CodeBuild, CodePipeline, Terraform, and Docker.
* Integrated ServiceNow request/Change process with custom-written API to initiate the CICD
* pipeline to deploy production applications.
* Lead effort to monitor, alert, &amp; report on overall system health by tracking Service Level
* Indicators (SLIs) and Service Level Objectives (SLOs), Operating Level Agreements (OLAs),
* Automation, TOIL elimination, increase MTTR and MTBF, incident response, and APM
* instrumentation. Build self-service playbooks that can be reused across globally distributed
* teams.
* Drive and own the measuring of SLA/SLO/SLI/uptime and ensure the organization is meeting
* set goals. Build capabilities to ensure 24/7 platform support, site monitoring, and the ability
* to own uptime &amp; performance SLAs of Dev, QA &amp; Production environments.
* Implemented and configured Dynatrace Managed and Dynatrace SaaS platforms for
* monitoring cloud-native and hybrid environments, including AWS, Azure, and Kubernetes.
* Developed custom integrations and plugins for Dynatrace to extend monitoring coverage and
* integrate with third-party tools and systems.
* Integrate monitoring alerts and incidents with ticketing systems Slack and VictorOps
* /PagerDuty to automate incident creation, assignment, and resolution workflows.
* Developed a set of best practices and standards for the team to follow. Identified
* opportunities for process improvements.
* Organize and manage product demonstrations, proofs-of-concept (POC), and evaluations.
* Participate in code reviews, debugging, and troubleshooting to ensure code quality,
* performance, and reliability.

**Allstate Insurance Company, Northbrook, Illinois June 2016 – Nov 2017**

**Sr. DevOps/Cloud Engineer**

**Responsibilities:**

* Worked on Build and Deployment of web applications in an Agile continuous integration environment and automating the process.
* Responsible for DevOps tool upgrades and security patches.
* Worked on Python Code using Ansible Python API to Automate Cloud Deployment process and provision AWS environments using Ansible Playbooks.
* Troubleshooting OpenShift router operation, analysing stats with different projects to determine the bottleneck.
* Configured Elastic Load Balancers with EC2 Auto scaling groups.
* Performed Provisioning of IaaS and PaaS Virtual Machines and Web apps, Worker roles on AWS.
* Creating and Building Infrastructure on AWS Cloud Platform using Cloud Formation.
* Design and development of the new technical flow based on JAVA/J2EE and .NET technologies.
* Worked on Shell Scripts, Python Scripts for automating the build and deployment process.
* Setting up and building AWS infrastructure like VPC, EC2, S3, IAM, Security Group, Auto Scaling and RDS in Cloud Formation using JSON templates.
* Building/Maintaining Docker container clusters managed by Kubernetes.
* Utilized Kubernetes and Docker for the runtime environment of the CI/CD system to build, test & deploy.
* Developed Microservices on boarding tools leveraging Python and Jenkins allowing for easy creation and maintenance of build jobs and Kubernetes deploy and services.
* Worked on CI/CD tool Jenkins for building and deploying the Java application.
* Implemented project builds framework in Jenkins using Maven build framework tool.
* Performed Unit Testing for java applications using Junit frameworks and configuring results as post build action.
* Manage the artifacts generated by Maven in the Nexus repository.
* Worked on SonarQube to perform code analysis, code coverage and detecting bugs.
* Used JIRA for Issue tracking, Bug tracking, and Project Management by raising tickets.
* Performed configurations from Apache tomcat and web logic to Jenkins.
* Worked on Ansible to manage existing servers and automate the build/configuration of new servers and created Ansible Playbooks to automate system operations.
* Creating alarms in Cloud watch service for monitoring the server's performance, CPU Utilization, disk usage etc.
* Deployed code on WebLogic and Tomcat servers for Production, QA, and Development environments.

**Environment:** AWS (IAM, EC2, S3, CloudFormation, CloudWatch, VPC, RDS), IaaS, PaaS, Jenkins, TFS, VSTS, Git, Chef, Ansible, Docker, Kubernetes, Shell, Junit, Tomcat, Nagios, Groovy, OpenShift, .NET, JIRA.

**Schneider Trucking, Green Bay, Wisconsin Nov 2014– May 2015**

**Sr. DevOps / Build & Release Engineer**

**Responsibilities:**

* Build, manage, and continuously improved the build infrastructure for software development engineering teams including implementation of build scripts, continuous integration (CI) infrastructure and deployment.
* Developed and supported the Software Release Management and procedures. Worked on version control tools like GIT, Github and integrated build process with Jenkins.
* Worked with GIT, Github to manage source code.
* Work with development/testing, deployment, systems/infrastructure and project teams to ensure continuous operation of build and test systems.
* Implementing Chef Cookbooks for OS component configuration to keep AWS server’s template minimal.
* Setup and maintenance of automated environment using Chef Recipes & Cookbooks for different application. Written cookbooks for installing Jenkins, HTTPD, WebLogic, JBoss, WebSphere, JDK.
* Converting production support scripts to Chef Recipes and AWS server provisioning using Chef Recipes.
* Orchestration of application processes on different environments using Chef in cloud (AWS) for deployment on multiple platforms.
* Integration of Automated Build with Deployment Pipeline and installed Chef Server and clients to pick up the Build from Jenkins repository and deploy in target environments.
* Created Shell & Python scripts for various Systems Administration tasks to automate repeated processes.
* Developed a continuous deployment (CD) pipeline using Jenkins, shell scripts.
* Troubleshoot problems arising from Build failures and Test failures.
* Deploy the code on web application servers like Apache Tomcat/WebSphere.
* Desiged a process for pro-automation using Jenkins in all the application environments and making sure it follows all the standard procedures of the Application SDLC.
* Automated the continuous integration and deployments using Jenkins. Built end to end CI/CD Pipelines in Jenkins to retrieve code, compile applications, perform tests and push the build artifacts.
* Created and maintained Ant build.xml and Maven Pom.xml for performing the builds.
* Defined dependencies and plugins in Maven pom.xml for various activities and integrated Maven with GIT to manage and deploy project related tags and servers and Splunk to capture and analyse data from various layers Load Balancers, Web servers and application servers.
* Used JIRA for project management and issue tracking.

**Environment:** AWS**,** Linux, GIT, Github, Jenkins, Chef, Splunk, Maven, Shell script, Python, Apache Tomcat WebSphere, Windows, Ubuntu, RHEL, CentOS, JIRA, Linux.

**Bank of the West, CA (REMOTE) Nov 2012 - Sept 2014**

**DevOps Engineer**

Responsibilities:

 Performed the daily system administration tasks like managing system resources and end users support

operations and security.

 Implemented cloud services AWS and Implemented Bash, Perl, Python scripting.

 Installed and configured GIT to implement branching strategy which is suitable for agile development also

provided continuous support and maintenance of software builds.

 Responsible for taking the source code and compiling using Maven and package it in its distributable format,

such as a WAR file.

 Worked on integrating Git into the continuous Integration (CI) environment along with Jenkins Configured the

services using modern DevOps tools.

 Refined automation components with scripting and configuration management using Ansible.

 Wrote Ansible playbooks from scratch in YAML. Installing, setting up &amp; Troubleshooting Ansible, created and

automated platform environment setup

 Automated various infrastructure activities like Continuous Deployment, application server setup, stack

monitoring using Ansible playbooks.

 Automated the deployment process by writing Shell (bash), Python scripts in Jenkins.

 Provide support to Account Managers, UNIX and Windows technicians, and other departments.

 Installed packages using YUM and Red Hat Package Manager (RPM) on various servers.

 Used Apache Tomcat for deploying the Java Web Applications

 Experience in Designing, Installing, and Implementing Ansible configuration management system and in writing

playbooks for Ansible and deploying applications.

 Configured and administered Jenkins pipelines for automated builds and responsible for installing Jenkins

master and slave nodes.

 Designed and created multiple deployment strategies using CI/CD Pipelines using Jenkins. Installed multiple

plugins to Jenkins, Configured Proxy to get auto updates.

 Coordinated with various cross functional teams across IT operations to make sure smooth functioning of

projects.

Environment: Git, Tomcat, Ansible, Jenkins, Python, Ruby Chef, JIRA, Maven, Artifactory, Udeploy, Linux, AWS Cloud

services.

**Infosys – Hyderabad, India June 2009 – August 2012**

**DevOps Engineer**

**Responsibilities:**

* Provided 24x7 on call support.
* Troubleshot P1 tickets, escalated the issue to right team to resolve quickly.
* Worked with Jenkins, Bamboo for CI and CD.
* Performed Linux administration, patching, configuring and maintenance.
* Deployed code to QA, PT, training, security, prod-stage environments.
* Used Ansible as configuration management and automation tool.
* Migrated application to containerize deployment using Docker and Kubernetes.
* Worked on automation scripting in Python, PowerShell to automate all deployment activities.
* Used Bamboo, Jenkins, TFS for continuous integration on project.
* Used TFS for continuous integration in azure migration project.
* Experienced using Docker on Daily basis.
* Collaborated with others to troubleshoot and resolve major production issues.
* Integrated and collaborated with others on all matters of system operation and development.
* Built J2EE code using build.xml and pom.xml.
* Worked with build pipelines and deployment strategy using Jenkins, Bamboo.
* Used Jenkins for build and deployment for migration application. Worked in Agile environment.
* Worked on Installation, configuration and upgrading of RedHat server software and related products.
* Performing daily system monitoring, verifying the integrity and availability of all hardware, server resources, systems and key processes.
* Review system and application logs.
* Applying OS patches and upgrading on a regular basis.
* Configuring and administrating LDAP, DNS, and Send mail on Red Hat Linux.
* Creating, changing, and deleting user accounts as per request.
* Repairing and recovering from hardware or software failures.
* Ensuring that the network infrastructure is up and running.

**Environment:** Subversion, GIT, Ansible, GitLab,ServiceNow, Microsoft OfficeTools, SQL, MySQL,Quality Centre, Windows Server, Ruby, Java, J2EE, Ant, Maven, Linux, TFS, .NET, Bamboo, Jenkins, AWS, Ansible, Apache Mesos, OpenShift, Docker, Kubernetes, Microsoft Visual Studio, IIS, PowerShell Scripting, Red-Hat Enterprise Linux 3/4, NFS, FTP, Apache.