

K Vineeth

Mobile: (430) 257-0268

Email: vineeth4466@gmail.com



Professional Summary:

Devops Engineer with around 8 years of IT experience into Cloud Infrastructure, with proven hands-on knowledge on Linux and Windows System Administration, Version control system, Continuous Integration, Continuous Delivery, Continuous Deployment and Containerization. Ability to deploy and deliver the applications into cloud environments as per the client's requirements in quick successions.

- ❑ Configured **AWS Infrastructure** components such as **EC2 Instances, VPC, Subnets, IGW, NAT GW, Route Tables, NACLs, R53, Auto scaling** and **ELB** and **S3**.
- ❑ Deployed the core elements of **AWS services** using **Terraform** and assisted the application teams during migration activities.
- ❑ Engaged with cloud governance teams in designing the architecture for **fault tolerance and high availability** applications.
- ❑ Configure separate **OU structure** for Prod and Non-Prod accounts for controlled access and security compliance using SCPs.
- ❑ Configured Azure Infrastructure like **VMs, Storage accounts, Vnets, Subnets, NSGs, Load balancer, Application gateway** and managing users in **Azure Active Directory**.
- ❑ Worked on AWS Devops services like **AWS Code Commit, Code Build, Code Pipeline** and **Code Deploy**.
- ❑ Implemented **Kubernetes** and used its nodes to manage containerized apps and to provide a platform for automated deployments and scaling.
- ❑ Strong understanding in using Docker components like **Docker Hub, Docker Engine, Docker Swarm** and **Docker Registry**
- ❑ Built **ELK** stack with **Docker** and **Docker-Compose** and participated in deployments on Docker using **Kubernetes**.
- ❑ Configured monitoring dashboards for metric gathering in **Openshift** using tools like **Sensu, Grafana** and **Prometheus**.
- ❑ Experience in automating the infrastructure and deployments using tools like **Shell scripting, Python, Ruby, PowerShell, Groovy, JSON, YAML**.
- ❑ Expertise in code build tools like **Apache Maven** and **Apache ANT** to write pom.xml and build.xml files.
- ❑ Configured Jenkins for continuous integration using the **GIT, ANT, Maven** and **Gradle plugins**.
- ❑ Setup **Ansible, Ansible vault** and **Tower** for automating the repetitive tasks and application deployments and used to push the patch updates to multiple servers.
- ❑ Experience on **Ansible** as a configuration management to automate and deploy applications on different environments.
- ❑ Configured **Chef server, Chef client** nodes and created roles, recipes, cookbooks and updated the entire application infrastructure using chef.
- ❑ Provisioned infrastructure components in AWS and Azure using IaC tools like **Ansible** and **Terraform**.
- ❑ Integrated **Jenkins** with tools like **Maven** (Build tool), **Git** (Repository), **SonarQube** (code verification), **Nexus** (Artifactory) and implemented CI/CD automation for creating Jenkins pipelines.
- ❑ **Worked in authoring build.xml, pom .xml files while performing release with Maven, Ant**, release plugin, and managing artifacts in SonarQube, JFrog, Nexus Artifactory.
- ❑ Perform **Testing** on a web application designed on the microservice architecture.
- ❑ Managed VMs deployed on VMware and V-Sphere virtualizations such as CPU cores, memory, and backups.
- ❑ Experience in **Linux** and **Unix** administration tasks such as **file permissions, directories, ssh-keys** and **NFS shares**.
- ❑ Created Docker **Images** for web Servers and applications servers such as **Apache Tomcat** and **NGINX** using Docker and integrated with Amazon MySQL RDS database.
- ❑ Good knowledge on setting up the networking components such as **DHCP, DNS, Subnetting, TLS, HTTPS**.
- ❑ Worked on security and scanning tools such as **HP fortify, SonarQube** and **Black duck, TrendMicro**.
- ❑ Have an experience in configuring the server monitoring tools like Prometheus and Grafana.
- ❑ Managed the Bugs and code changes in the production environment using the Jira tracking tool.
- ❑ Planning and coordinating the teams according to teams while maintenance/ releases using Service Now
- ❑ Experience in working with application monitoring tools as **Dynatrace, Scout (Solar winds), Nimsoft** and **IDERA**.
- ❑ Worked in Agile-Scrum methodology involving Software Development Life Cycle (**SDLC**) such as Analysis, Planning, Development, Testing, Implementation, Post-production analysis of the project.

Technical Summary:

Cloud Platforms	AWS, Azure
Operating Systems	Linux (Red hat, 6.x, 7.x,8.x), Ubuntu 12,13,14, Windows (2016,2019), Mac OS
Version Control System	Subversion (SVN), GIT, Bit Bucket, AWS Code Commit, Azure GIT, GITHUB Actions
Build Tools	ANT, Maven, Gradle
CI Tools	Jenkins, Bamboo, AWS Code Pipeline, Team City
IaaS Tools	Terraform, CloudFormation, Azure ARM Templates
Configuration Management Tools	Ansible
Containerization Tools	Docker, Kubernetes
Scripting	PowerShell, Python
Web/App Servers	Apache Tomcat, Web Logic, Web Sphere, JBoss, Nginx
Bug Tracking Tools	JIRA, HPQC, Service Now, VSTS (Azure DevOps)
Web Technologies	HTML5, CSS
Databases	MYSQL, SQL Server, DynamoDB
Monitoring Tools	Splunk, Grafana, Prometheus
Documentation Platforms	Confluence, SharePoint, wiki

Professional Experience:

Client: Pioneer Natural Resources Company-TX

March 2022 to Present

Role: AWS/Azure DevOps Engineer

Responsibilities:

- Created fault-tolerant, cost-effective, and highly available systems using **EC2 instances, Auto Scaling, and Elastic Load Balancing**.
- Configured the network components like **IGW, NAT Gateway, Route tables and NACLs**.
- The **Transit Gateway (TGW)** solution was implemented between the customer corporate network and the AWS VPCs for a secure hybrid network connection.
- AWS Config and CloudTrail** were used as part of the governance structure to enable compliance, auditing, troubleshooting, etc. for AWS accounts and resources.
- Created SNS topics and configured **CloudWatch** alarms for **CPU, Memory, and Disk usage** alerts.
- Leveraging AWS Organizations and SCPs** to centrally manage and regulate environment as resources expand and scale-out.
- Used **Terraform workspaces** for deploying infrastructure in DEV, QA, and PROD environments within AWS accounts.
- Experience with **Windows Administration**, setting up **Group policies** and **Active Directory administration**.
- Configured monitoring tools such as **Splunk, Grafana** to monitor the performance of applications and infrastructure health.
- Assisted in **troubleshooting and performance Issues** during migration activities with the help of Devops teams and application teams.
- Configured **VPC peering** between Dev-Dev accounts and Prod-Prod accounts and established secure connectivity between the VPCs.
- Written **Cloud Formation** templates to provision the infrastructure components inside the AWS accounts.
- Automated Infrastructure activities like **patch management, run commands** using the **AWS Systems manager**.
- Worked on configuring the AWS EKS cluster and managing the microservices applications by deploying and managing the pods.
- Built **docker images** for web servers and application servers such as **Apache Tomcat** and **NGINX** were created and integrated.
- Terraforms templates** were created to configure AWS Infrastructure components such as EC2 instances, S3 bucket

objects, VPC, IAM Users, Roles, LB, and ASG.

- ❑ Managed **Elastic Kubernetes charts using Helm**. Created reproducible builds of the **Kubernetes applications, managed Kubernetes** manifest files and Managed releases of **Helm packages**.
- ❑ Created deployable artifacts like .War file by utilizing build tools like MAVEN.jar code.
- ❑ Responsible for creating **Artifacts using Maven** and deploying those artifacts into Tomcat Server.
- ❑ Used Maven to build and run the **Selenium automation** framework.
- ❑ Experience in Implement, **Build and Deployment of CI/CD pipelines**, managing projects often includes tracking multiple deployments across multiple pipeline stages (Dev, Test/QA staging and production).
- ❑ Integrated **Jenkins** CI with **GIT** version control and implemented continuous build based on check-in for various cross functional applications and created **GitHub** Webhooks to setup triggers for commit, push, merge and pull request events.
- ❑ Monitored container logs in Kibana in Elastic search and registered **Slack** alerts based on errors.
- ❑ Experienced in creating **custom Docker Images using Docker file** and creating Docker Volume and **Docker Networking**.
- ❑ Having experience writing **Ansible Playbooks**, modules and roles with **Ansible configuration management tool**.
- ❑ Wrote **Ansible Playbooks** for Code Deployment and Configuration Management.
- ❑ Maintained high availability clustered and standalone server environments and refined automation components with **scripting** and configuration management (Ansible).
- ❑ Implemented automation for deployment by using **YAML scripts** for massive builds and releases.
- ❑ Collaborated with cross functional teams (firewall team, data base team, application team) in execution of this project.
- ❑ Worked in highly collaborative operations team to streamline the process of implementing security confidential **AWS Azure cloud environment** and introduced best practices for remediation.
- ❑ Worked on configuring **the Azure App services, Azure Traffic Manager, Azure Network Watcher, Azure storage and Azure resource**.
- ❑ I've worked with several issue tracking programs, including Jira, HP QC, VSTS, ServiceNow, SharePoint, and Confluence.

Environment & Tools: Java, Linux, Maven, Nexus, Jenkins, Docker, Kubernetes, Nagios, Apache Tomcat, Ansible, VPC, NAT, ELB, Terraform, Shell Scripts, Yaml Scripts, .Net, UNIX/ Linux environment.

Client: Synchronoss Technologies- NJ

Sep2021- Feb 2022

ROLE: AWS/DevOps Engineer

Responsibilities:

- ❑ A working knowledge of the software development life cycle and experience with agile throughout the project. Involved in weekly and daily bases release management.
- ❑ Understanding of AWS services such **EC2, S3, ELB, RDS, IAM, Route 53, VPC, Auto scaling, Cloud Front, Cloud Formation, and Security Groups** as well as practical expertise with AWS setup.
- ❑ Experience **AWS Code Pipelines** for CI (Continuous Integration) and CD (Continuous Deployment) techniques Worked with **GIT** source code management tool and ensured the reliability of the application as well as designed the branching strategies for **GIT**.
- ❑ Experience in working on source code management tools like **GitHub**.
- ❑ Created a **GITHUB Actions** workflow to support the end-to-end pipeline on **AWS**.
- ❑ Build and Deployment for **Java** application and maintain infrastructure.
- ❑ Deployed the **Java application** using Jenkins build script.
- ❑ Integrated CI/CD pipelines using **GITHUB Actions** to automate the build and deployment process.
- ❑ Designed and developed CI/CD pipelines using **GITHUB Actions/Jenkins**.
- ❑ Managed the project repo on GitHub and configured pipelines through **GITHUB Actions**.
- ❑ Configuring Jenkins job with related Plug-ins for **Testing**, Artifactory, and Continuous Deployment to accomplish the complete CI/CD.
- ❑ Worked on **Jenkins** for continuous integration and for End-to-End automation for all build and deployments.
- ❑ Deployed applications using **Jenkins** server and Troubleshoot build & release job failures, resolve, work with developers on resolution.
- ❑ Used Jenkins as continuous integration server to run automated **test suites**.
- ❑ Configured Jenkins build job for Continuous Integration and for **Regression Testing**.
- ❑ Experience in working on tools like **SonarQube** to check the quality of the code and **Nexus** to save the builds.

- ❓ Experience with Configuration Management automation tool Ansible and has worked on integrating **Ansible YAML Scripts**.
- ❓ Used **Ansible** for configuring and managing multi-node configuration management over SSH.
- ❓ Created **Docker images, dealt with Docker container snapshots, and controlled Docker volumes using a Docker file**.
- ❓ Knowledge of Shell Scripts for automation purpose.
- ❓ Involved in deploying the code onto web application servers like **Nginx/ Apache Tomcat**.
- ❓ Hands on working experience on **Web Server (Apache), Application Servers (Tomcat, Jboss), DB Server (MySQL)**.
- ❓ Worked with **JIRA** for Issue Tracking, monitoring and prioritize issues.
- ❓ Understanding of fundamental technologies like **DNS**, Load Balancing, **SSL**, **TCP/IP**, networking, and security best practices.
- ❓ Worked on installing Kubernetes with Automation using Kubespray
- ❓ Worked on Kubernetes installation and application deployment in a container using full automated CI/CD pipeline
- ❓ Worked on AKS deployment with Azure Devops CI/CD pipelines for Load Balancing solutions
- ❓ Experience in **Git, Jenkins, SonarQube, Nexus, Ansible, Apache Tomcat**, Docker, Kubernetes, Terraform, Nagios and AWS.
- ❓ Installed, configured and administered CI tools like Jenkins for **automated pipeline builds**.
- ❓ Configuring Jenkins job with related plugins for Builds, Testing, Artifact creation and **Continuous Deployment** to accomplish the complete CI / CD.
- ❓ Experience in using **JFROG** artifact Repository Manager for Maven builds.
- ❓ Knowledge on how to integrate code quality analysis tools like SonarQube and unit tests.
- ❓ Worked on various versions of Linux, Unix operating systems like RHEL 7x and CentOS 7x.
- ❓ Expertise in configuring and managing services like **AWS EC2** using AMI's available. Configured multiple servers depending on application needs using continuous integration tools like Jenkins.
- ❓ Experience with **AWS IAM** integration, Delegated access control using IAM roles, and IAM users, and set up cross-account access where necessary.
- ❓ Managed **IAM** users and IAM role policy assignments while following best security practices.
- ❓ Creating IAM users and policies for programmatic access to **RDS instances, S3 buckets**.
- ❓ Used **IAM** to grant fine access of AWS resources to users. Also, managed roles and permissions of users to AWS account through IAM.
- ❓ Experience configuring and updating the servers using configuration management tools like Ansible.
- ❓ Experienced with docker, creating containers attach volumes, creating docker images from docker file and published docker images to **docker hub**.
- ❓ Experienced with Kubernetes Creation of pods, deployment, services, **Rolling Updates, Load Balancer, Autoscaling**.
- ❓ Experienced with **Infrastructure as Code (IaC)** Terraform, launch Instance create VPC with subnet, Internet gateway, route table and security group.
- ❓ Setup **GitHub** Actions workflow for Infrastructure deployments.
- ❓ Developed and wrote Kubernetes manifests for various technologies and deployed them with **GITHUB** Actions pipeline to EKS cluster.
- ❓ Created Automation to deploy and manage EKS Clusters in **GITHUB** Actions.
- ❓ Worked on creating **Kubernetes cluster** from end to end and having good understanding of **Kubernetes architecture**.
- ❓ Setup/Managing Linux Servers/ Windows server / Ubuntu servers on Amazon EC2.

Environment & Tools:

Java, Linux, Maven, Nexus, Jenkins, Maven, GitHub Actions, Aws Code Pipelines, SonarQube, Nexus, Ansible, Yaml Scripts, Docker, Tomcat, Jboss, Jfrog, Jira, Kubernetes, Nagios, AWS, EC2, Route 53, S3, VPC, NAT, ELB, Terraform, Shell Scripts, Python, Linux environment.

CLIENT: Rizzle, India

Jan 2020 – July2021

Role: Build and Release Engineer

Responsibilities:

- ❓ In my role as a member of the build and release engineering group, I redefined procedures and implemented tools for source control, release tracking, and reporting, as well as software builds and patches on the Unix/Linux platform.
- ❓ Setting up build servers, monitoring cron jobs, running testlibs and reporting status regularly.
- ❓ Involved in troubleshooting TCP/IP, NFS, DNS, SMTP, memory, CPU, swap, and file system problems in Linux servers.

- ❓ Responsible for day-to-day administration and administration of RHEL & CentOS which includes Installation, testing, Tuning, Upgrading and Loading patches, Troubleshooting.
- ❓ To enable SSL-encrypted communication between Tomcat 5.5, WebSphere servers, and Apache front ends, An Apache 2.2 SSL proxy front end proof of concept was created.
- ❓ Supported Local System Administrators to troubleshoot configuration Management and Network issues.
- ❓ Used **Agile** practices and Test-Driven Development (TDD) techniques to provide reliable, working software.
- ❓ Worked with System Administrators to upgrade multiple environments for various application releases including setup/configuration of **Jboss** Custers across Linux (Ubuntu) platforms.
- ❓ Created branching & Tagging strategy to maintain the source code in the **GIT** repository.
- ❓ Maintained and administered GIT source code repo and **GitHub** Enterprise.
- ❓ Connected continuous integration system with GIT version control repository and continually build as check-in's come from developer.
- ❓ created branches, tags, and merges in the GIT repository and triggered push and pull requests from **Jenkins**, Configured and maintained the GIT source code tool.
- ❓ Jenkins build tools ANT and **MAVEN** were used to create build and deployment scripts that allowed users to switch between different environments.
- ❓ In scrum and agile projects, I've created and maintained environments for continuous build and integration.
- ❓ Intensive work was put into the upgrades and patches for VMware Update Manager for Host.
- ❓ supervised various VMware clusters, including QA, Development, and Production.
- ❓ To support all stages of development, including production releases, I worked with Architects, Systems, Network, Software, and QA Engineers to continually improve the effectiveness and dependability of the Build and Deployment processes.
- ❓ Developed **Puppet** manifests for deploying, setting up shield, managing collected data, and collecting metrics.
- ❓ Nexus repository manager was installed and set up to share artifacts within the organization.
- ❓ Taking part in repository management in ANT to share releases and snapshots of internal projects using the **Nexus tool**.
- ❓ U-Deploy server and agents were installed from scratch, and a component deployment/management process (script) was defined using U-Deploy.
- ❓ JIRA was set up as a defect tracking system, and different workflows, customizations, and plugins were configured.
- ❓ Developed and managed change requests for all patches, releases, and non-production environments.

Environment & Tools: Jenkins, GIT, ANT, MAVEN, JIRA, Bash/Shell Script, GitHub, Gradle, Tomcat, WebSphere Puppet,

Bamboo, Maven, Nexus, Nagios, TCP/IP, NFS, SMTP, RedHat (5.x/6.x), CentOS 6/7 VMware ESX (4.0.0/5.0.0), U-Deploy

CLIENT: Pharm Easy, India

Aug 2017-Dec 2019

Role: Linux Administrator

Responsibilities:

- ❓ Involved in Installing, configuring and maintaining application servers like WebSphere and Web servers like Web Logic, Apache, HTTP and Tomcat on UNIX and Linux.
- ❓ Managed Systems routine **backups**, **Schedule tasks**, enable **corn jobs**, enable system logging and log network activity on servers.
- ❓ Setting up and maintaining servers for Apache Tomcat, Web Sphere, and JBoss in a Linux environment.
- ❓ Java and Web applications are deployed, configured using **TOMCAT** application Server.
- ❓ Implemented various **Java (JDK7)** applications on multiple UNIX systems.
- ❓ Configured **PXE** and **DHCP** servers using Kickstart Configuration and Red Hat Satellite server carried out OS upgrades, server patching and OS Installations.
- ❓ **NAGIOS** 4.0 monitoring tools are used to monitor the CPU, RAM, Physical disk, hardware and software RAID, Multipath, File Systems and network.
- ❓ Successfully installed and configured **NAGIOS** monitoring system to monitor the production server environment.
- ❓ Wrote **Python/Bash** scripts for task automation and tracked disk space on servers through shell scripts.
- ❓ Worked with **VMware** products like VMware Workstation, VMware Server and VMware Vcenter Orchestrator.
- ❓ Managed users, groups and permissions, setup **LDAP**, and granted **SUDO** Access and permitted password-free logins for authorized users on servers.
- ❓ configuring and managing DNS, DHCP, NFS, FTP, SSH, LDAP, NIS, and Squid servers in Linux.
- ❓ Installed, Configured, Performance tuning, Security, Backup, recovery and Upgrade/Patches of Linux and Unix servers using Crontab.
- ❓ Installing and Configuring **SSH** (Secure Shell) encryption to access securely on Ubuntu and red hat Linux.
- ❓ Extensive knowledge on **Server Administration**, **kernel** upgrade and deployment of patches and applying all firewall and security polices with emphasis on maintaining best practices.

- 🔗 Debugged network connectivity issues and involved in trouble shooting activities with commands **ping, trace route, tcpdump, nslookup, netstat, IOstat.**
- 🔗 Installation and configuration on **CYGWIN** on windows in order to access UNIX system from windows operating systems.
- 🔗 Creating, Mounting and Troubleshooting NFS File systems on different OS platforms.
- 🔗 Troubleshooting and fixing day-to-day problems related to servers.
- 🔗 Firm understanding of Linux internals and have automated system building, patching, and configuration management along with knowledge of server **Tweaking, Hardening.**
- 🔗 Worked on **Splunk** creation and advanced searching, reporting.
- 🔗 Worked with file sharing by configuring **NFS** on system to share resources.
- 🔗 Involved in **Network File Service (NFS), Network Information Services (NIS)** and protocols in RHEL.
- 🔗 Used **Jira** as a workflow tool and ticketing system.
- 🔗 Automating the build process using **GIT, ANT** and **Subversion.**
- 🔗 **GIT** repository is maintained to offer access and group controls.
- 🔗 Performed kernel and database settings to restrict the use of disk I/O resources.

Environment & Tools: Solaris, Red hat, HP-UX 11i, Windows Server 2003, Sun Enterprise 10000, 15000, Apache Web Server 1.3.x, 2.x Oracle 8i,9i2, Perl, KSH, Sun v480, v880, E220, IBM p630, p550, power 4 Dell POWEREDGE 700,2650,6650, Red hat Enterprise Linux 1.0, Shell Scripting, Bash, Cronjob, WebSphere, GIT, ANT, Subversion, Splunk, Tomcat, Nagios 4.0, Jira, Kickstart, TCP/IP, DNS, DHCP, NFS, FTP, SSH, LDAP, NIS.

CLIENT: Big Basket, India
Role: Jr. Java Developer

Aug 2015-Jul 2017

Responsibilities:

- 🔗 JavaScript, Angular JS, and jQuery were used to develop application user interface pages.
- 🔗 Used JavaScript to carry out client-side validations.
- 🔗 I've used JavaScript, JSON, and JQUERY to solve issues, CSS and JavaScript were used to fix software bugs.
- 🔗 Developed Java, JSP, and Struts components after analyzing the requirements and creating design documents.
- 🔗 Performed java JUnit testing, resulting in incredibly resilient program.
- 🔗 Interaction on a technical level between the client and the project team as they gather requirements.
- 🔗 Developed stored procedures for obtaining information directly from the Risk Server, Trade Server, and Static Data Server.
- 🔗 UI components were created using HTML, JavaScript, and JSP, and business logic and interface components were created using business objects, XML, and JDBC.
- 🔗 Developed test scripts and performed rigorous **Testing** to ensure the correct functionality of the application
- 🔗 Modified existing operational programs to correct errors and improve performance using **C++** and **Python** through the Visual Studio IDE.
- 🔗 Developing SQL queries and stored procedures for the Oracle application.
- 🔗 Standards for program quality and delivery were upheld when creating software.

Education:

Master's in Information Systems & Technology
 University of North Texas -Tx (Aug2021-Aug2022)