**Chalamaiah** 

**jay@quantomtech.com.com**

**720-805-0982**

[**https://www.linkedin.com/in/venkata-paladugu-2230637/**](https://www.linkedin.com/in/venkata-paladugu-2230637/)

**Summary:**

Venkata is a SeniorDevOps Engineer/SRE/DevSecOps with 18+ years of experience. He has hands on experience working with Infrastructure as Code tool Terraform and Container Tools like Docker and Kubernetes. He has extensive experience with cloud deployment using AWS. He has experience using Source control with Git and has a lot of experience with Linux. He has hands on experience in developing applications on Java and Python.

**Key Highlights:**

* Having 18+ years of experience in IT industry, which includes 8 years of Experience as a DevOps/SRE Engineer in the field of automation, Software Configuration Management and cloud services.
* Over 7 years of IT experience in Implementation, Build & Release engineering & Maintenance of Finacle Treasury products.
* Over 3 years of hands-on experience in development and design of Java and related frameworks.
* extensive experience in building, deploying, and managing scalable infrastructure using Kubernetes, Helm and Terraform.
* Proficient in automating complex workflows, managing containerized applications, and implementing GitOps practices for continuous deployment.
* Experience in working with AWS resources like IAM, EC2, EBS, S3, ELB, VPC, ECS, Route 53, Auto Scaling, SQS,SNS,Lambda,RDS,Event Bridge,Api Gateways,RDS,System Manager,Cloud Watch, Code Commit, Code Deploy and experienced in Cloud automation.
* Over 4 Years of experience in Ansible tool for configuration of computing resources (Cloud and on premise) including maintenance activities like patching activities.
* AS SRE Developed and maintained system health and performance metrics, providing real-time visibility into system performance and enabling proactive issue resolution.
* Configured and administered GITHUB enterprise in AWS with high availability (HA) enabled and
* handled migrations from SVN to GITHUB.
* AS part of DevSecOps involves in automating and orchestrating the setup and teardown of environments as a single unit which are having  [multiple components, including infrastructure, databases, middleware, messaging, data, and applications layers](https://www.dice.com/job-detail/3d6c6555-f37e-42eb-880f-2ff4b7e88c82).
* Expertise in automating the patching of EC2 instances using System Manager, upgrading the software packages, rotating sensitive information like aws access keys,passwords of Jenkins,RDS,baston hosts as part of end-to-end implementation of organization practices of DevSecOps.
* Collaborated with cross-functional teams to design and implement a new system architecture and infrastructure, resulting in a 30% increase in system performance and a 20% reduction in operational costs.
* Involved in TeamCity configurations to build, create packages and packages and to push them to development, test, and production environments using Octopus.
* Designed AWS Cloud Formation templates to create required aws services and integrated with CI/CD pipelines which are configured in Jenkins,Git Lb and Team City jobs.
* Expertise in architecting secure VPC Solutions in AWS with the help of Network ACLs, Security groups, public and private network configurations.
* Hands on experience in setting up database in AWS using RDS, storage using S3 bucket and configuring instance backups to S3 bucket to ensure fault tolerance and high availability. Enabled RDS Audit logs using option group and SQL Backups.
* Expertise in Cloud Infrastructure Automation which includes Amazon Web Services (AWS), Ansible, Maven, Jenkins, SVN, GitHub, WebLogic, Tomcat, JBoss and LINUX etc.
* Played a key role in automating the deployments on AWS using GitHub, Terraform, Jenkins and Octopus.
* Used Bash and Python, to supplement automation provided by Ansible and Terraform for tasks such as encrypting EBS volumes backing AMIs and scheduling Lambda functions for routine AWS tasks.
* Extensive experience in setting up the CI/CD pipelines using Jenkins, Maven, Nexus, GitHub, Terraform and AWS.
* Developed Python Scripts to automate the Migration of Git Hub repos from GHES to GitHub cloud using github library and GitHub Enterprise Importer.
* Developed Python Scripts to automate the Team City VCS roots and Templates updation with newly copnfigured GitHub Cloud details in all teamity jobs(3500) and step templates adding, disabling and deleting the step templates in Octopus (1800)
* Extensively worked on Jenkins for configuring and maintaining continuous integration (CI) and for End-to-End automation for all build and deployments.
* Good Understanding and implementation experience of CI/CD pipeline, automation programmatically by creating Jenkins jobs and pipelines and solving various problems with ANT, Maven, Gradle as plugins.
* Experience with installation and configuration of Docker environment (v1.5.0) including Docker registry hub for managing different Docker images and deployment of applications inside the software containers.
* Installing, configuring and managing databases like MySQL, NoSQL, DB2, PostgreSQL, MongoDB.
* Having good implementation experience with installation and configuration of Kubernetes, clustering them and managed local deployments in Kubernetes.
* Provided consistent environment using Kubernetes for deployment scaling and load balancing to the application from development through production, easing the code development and deployment pipeline by implementing Docker containerization.

**EDUCATION/TRAINING/CERTIFICATION**

**Education:**

* Bachelor of Engineering in Computer Science and Information Technology from JNTU, Hyderabad, 2005

**Certifications:**

* Completed AWS Certified DevOps Engineer - Professional Certification in Feb 2024.

**TECHNICAL ENVIRONMENT**

**Automation Tools:**  Jenkins, Ansible, Docker, Kubernetes, Vagrant, Terraform,Teamcity and Cotopus

**Cloud Platforms:**  AWS & Azure

**Database Systems:** OracleDB2, MSSQL, MySQL, MongoDB, AWS RDS

**Version Control tools:**  GITHub,GitLab,Subversion, CVS, Bitbucket, TFS

**Web Servers:** Tomcat, APACHE 2.x, 3.x, JBOSS 4.x/5.x, WebLogic (8/9/10), WebSphere4/5, TFS, Nginx, Azure, IIS, Redhat Satellite

**Networking/Protocol:** TCP/IP, NIS, NFS, DNS, DHCP, Cisco Routers/Switches, WAN, SMTP, LAN, FTP/TFTP, Juniper

**Scripting/Languages:** Python, Bash/Shell Scripting, YAML, JSON

**Virtualization Technologies:** VMWare ESX/ESXi, Windows Hyper-V, Power VM, Virtual box, Citrix Xen

**Application Servers:** Web Logic Application server 9.x, 10.x, Apache Tomcat 5.x/7.x, Red Hat JBoss 4.22

**Monitoring Tools:** Elastic Search, Cloud Watch

**Operating system:**  Linux (Red Hat 4/5/6/7, CENTOS & SUSE), Solaris 11/10/9/8, HP-UX 11.0, 11.11, 11.23, 11.31, V1, V2 & V3, Ubuntu 12/13/14, Windows NT/2000/2003, 2008, 2010, 2012, DEBIAN

**MAJOR ASSIGNMENTS**

**Client: XPO Logistics**  **Jan 2024 – Present**

**Role: SRE and Devsecops**

**Responsibilities:**

* As part of DevSecOps, involved in running the SAST tools to analyze and find vulnerabilities in proprietary source code and run the interactive application security testing (IAST) tools to evaluate an application’s potential vulnerabilities in the production environment.
* Ensure that the code is free of security vulnerabilities, and security practitioners test the software further before very release.
* Deployed, configured, and maintained production-grade Kubernetes clusters to support microservices architecture, ensuring high availability and auto-scaling capabilities.Managed Kubernetes resources, including pods, services, ingress controllers, and network policies, to optimize performance and security.
* Created and maintained reusable Helm charts for deploying various services and applications in Kubernetes.
* Designed and implemented a robust Terraform-based infrastructure as code (IaC) framework,

enabling consistent and automated provisioning of cloud infrastructure across multiple

Environments.

* Create Docker Image and push to Amazon ECR repository and Run and maintain Docker containers on AWS using Amazon EKS and ECS servicesand Build Application through CI pipeline and push to ECR.
* Creating DevOps infrastructure on Azure platform Manage and deploy Azure resources such as VM, databases, and storage solutions. Implement Infrastructure as Code tools using like Azure Resource Manager template. Monitor Azure services for performance and cost optimization. Utilize Azure

Monitor and Azure Cost Management tools.

* Involved in Migration of 3600 GitHub repos (private, pubic and internal) from On-premises GitHub Enterprise to Git Hub Cloud with revision history, collaboration history, s pull requests, and branches.
* Involved in setting up the GitHub Enterprise Importer tool and migrated repos with 100% success rate by adhering organization standards and security best practices.
* Migrating Users - Enterprise Manager Users (EMU)
* We migrated to Github Enterprise Cloud (GHEC) with [Enterprise Managed User (EMU)](https://docs.github.com/en/enterprise-cloud@latest/admin/identity-and-access-management/using-enterprise-managed-users-for-iam/about-enterprise-managed-users) capability to manage identity and access to enterprise members on Github from Microsoft Entra. Also migrated outstanding teams and users into GHEC using python scripts.
* Developed Python scripts to automate the updating of Team City and Octopus CI CD jobs with new GHEC credentials and packages.
* Evaluated different cloud providers (e.g., AWS, Azure, Google Cloud) to determine the most suitable platform for Git migration based on cost, performance, scalability, and compatibility.
* Configured the cloud-based Git environment, including the setup of version control repositories, user access controls, authentication mechanisms, and integration with other tools in the cloud ecosystem.
* Developed and executed a data migration strategy to seamlessly transfer code repositories, commit history, branches, tags, and associated metadata from the on-premise system to the cloud environment.
* Identified and addressed the integrations and dependencies that rely on the on-premises Git instance, ensuring a smooth transition and uninterrupted workflow during and after migration. Implemented robust security measures to protect code repositories and sensitive information during the migration process and beyond. Adhered to compliance with industry standards and company policies.
* Developed and executed the testing plans to verify the functionality, performance, and accessibility of the cloud-based Git system.
* Provided training and support to users and teams transitioning to the cloud-based Git environment. Addressed questions, concerns, and provided guidance on best practices. Created comprehensive documentation outlining the migration process, configurations, access controls, and troubleshooting procedures for the new cloud-based Git setup.
* Involved in automating the creation of github repos and team city jobs and Octipus jobs for given component and Technology (Java,Python and dotnet)
* Involved in creation of multi cloud services (AWS and Azure) using terrafoprm scripts.
* Involved in configuration of CI CD jobs using Jenkins,Teamcity(CI) and Octopus jobs(CD) to deploy the applications in multiple environments.

**Environment: AWS, Azure,Terraform, Docker,EKS ,Helmcharts ,Ansible, Git, GitHub, Team City ,Octopus**

**Jenkins, Maven, Artifactory, Docker, Python, Shell, Bash, PowerShell, Git HUB Enterprise and Git Hub Clouse**

**Client: ETS, Princeton, NJ**  **Jun 2021 – Jan 2024**

**Role: Senior DevOps Engineer**

**Responsibilities:**

* As part of DevSecOps, involved in running the SAST tools to analyze and find vulnerabilities in proprietary source code and run the interactive application security testing (IAST) tools to evaluate an application’s potential vulnerabilities in the production environment.
* Ensure that the code is free of security vulnerabilities, and security practitioners test the software further before very release.
* Worked with various services of AWS: EC2, ELB, Route53, S3, Cloud Front, SNS, RDS, IAM, Cloud Watch and Cloud Formation, Lambda, CloudTrail.
* Involved in remediating and updated the AWS Services as per the audit report which we obtained as the result of periodical scans of AWS services using AWS Inspector.
* Involved in TeamCity configurations to build, create packages and packages and to push them to development, test, and production environments using Octopus.
* Involved in automated migration of **code** repositories, commit history, branches, tags from the on premise system to the cloud environment**.**
* Migrated users from GITHUB on premise system to the cloud environment.
* Worked on Lambda service in AWS used to maintain a server less architecture.
* Developed and maintained system health and performance metrics, providing real-time visibility into system performance and enabling proactive issue resolution.
* Used Amazon Elastic Beanstalk, automatically handling the deployment, from capacity provisioning, load balancing and auto-scaling along with SQS, SNS, SWF services to application health monitoring.
* Involved in POC for Implementing Argo CD for GitOps-driven continuous delivery, enabling declarative application and infrastructure deployments.Designed workflows that integrated Helm and Argo CD for automated Kubernetes deployments with rollback and monitoring capabilities.
* Used Terraform to create SNS,SQS,Lambda functions(Node JS),Cloud Watch alerts, Dynamo DB tables along with KMS CMK keys.
* Used Ansible to install the software packages in AWS EC2 instances and schedules maintenance activities using ansible scripts.
* features such as infrastructure as code, execution plans, resource graphs and change automation.
* Configured and maintained Jenkins to implement the CI process and integrated the tool with Ant, Maven and Gradle to schedule the builds.
* Defined dependencies and plugins in Maven (Pom.xml) Java files for various activities and integrated Maven with
* GIT to manage and deploy project related tags and administrated Artifactory repository.
* Used Jenkins for automating/Scheduling the build processes and used Jenkins along with Shell or Python scripts to automate routine jobs.
* Used Jenkins to create CI/CD pipeline for Artifactory using the plugin provided by JFrog.
* Designed, Installed, and Implemented Ansible configuration management system and used Ansible to manage Web
* applications, Environment’s configuration Files, Users, Mount points and Packages.
* Wrote Ansible playbooks with Python SSH as a wrapper to manage configurations and the test playbooks on AWS
* instances using Python.
* Experienced in Installing, Configuring and Managing Docker Containers, Docker Images for Web Servers and
* Applications servers such as Apache, Tomcat using Docker and integrated with Amazon MySQL RDS database.
* Used scripting languages like Shell, Python, Ruby in various scenarios while assisting new recruits.

**Environment: AWS, Terraform, Ansible, Git, GitHub, Jenkins, Maven, Ant, Gradle, Artifactory, Docker, Python, Shell, Bash, PowerShell, Apache Tomcat, Kubernetes, Virtualization, Configured plug-ins for Apache HTTP server, Nginx, GitHub/Bitbucket**

**Client: Fiserve**  **Jan 2021 – Jun 2021**

**Role: Senior DevOps Engineer**

**Responsibilities:**

* Creating and configuration of CI/CD jobs using Jenkins with shared Libraries and JTE
* Resolving performance issues like ‘Counter Signing’ and intermittent connectivity issues of Jenkins agent.
* Experienced on to manage the Kubernetes services through Kubernetes native UI(Rancher).
* Used Kubernetes to orchestrate the deployment, scaling and management of Docker Containers.
* Experienced to manage Kubernetes services like pods, deployments, ingress, namespaces, schedule cron jobs, Storage &amp; Network.
* Worked in Dynamic application security testing (DAST) tools mimic hackers by testing the application's security from outside the network.
* As part of DevSecOps ,involved in timely AWS Access keys rotation and make sure every data service carrier should be encrypted with KMS keys.
* Worked with various services of AWS: EC2, ELB, Route53, S3, Cloud Front, SNS, RDS, IAM, Cloud Watch and Cloud Formation, Lambda, CloudTrail.
* I worked on Lambda service in AWS used to maintain a server less architecture.
* Used Amazon Elastic Beanstalk, automatically handling the deployment, from capacity provisioning, load balancingand auto‐scaling along with SQS, SNS, SWF services to application health monitoring.
* Used Terraform to create SNS, SQS, Lambda functions (Node JS), Cloud Watch alerts, Dynamo DB tables along with KMS CMK keys.
* features such as infrastructure as code, execution plans, resource graphs and change automation.
* Configured and maintained Jenkins to implement the CI process and integrated the tool with Ant, Maven and
* Gradle to schedule the builds.
* Defined dependencies and plugins in Maven (Pom.xml) Java files for various activities and integrated Maven with
* GIT to manage and deploy project related tags and administrated Artifactory repository.
* Used Jenkins for automating/Scheduling the build processes and used Jenkins along with Shell or Python scripts to
* automate routine jobs.
* Used Jenkins to create CI/CD pipeline for Artifactory using the plugin provided by JFrog.
* Designed, Installed, and Implemented Ansible configuration management system and used Ansible to manage Web
* applications, Environment’s configuration Files, Users, Mount points and Packages.
* Wrote Ansible playbooks with Python SSH as a wrapper to manage configurations and the test playbooks on AWS
* instances using Python.
* Experienced in Installing, Configuring and Managing Docker Containers, Docker Images for Web Servers and
* Applications servers such as Apache, Tomcat using Docker and integrated with Amazon MySQL RDS database.
* Used scripting languages like Shell, Python, Ruby in various scenarios while assisting new recruits.

**Environment: AWS, Terraform, Ansible, Git, GitHub, Jenkins, Maven, Ant, Gradle, Artifactory, Docker, Python, Shell, Bash, PowerShell, Apache Tomcat, Kubernetes, Virtualization, Configured plug‐ins for Apache HTTP server, Nginx, GitHub/Bitbucket**

**Client: Bank of America, Charlotte, NC**  **Oct 2019 – Jan 2021**

**Role: Senior DevOps Engineer**

Provisioning resources in cloud providers like AWS using Terraform and cloudformation. Creating and managing complex CI/CD pipelines and taking care of regular deployments. On call production support and deploying microservices in Kubernetes cluster using Ansible. Integrated pipeline with Docker, Maven, Sonarqube, Selenium testing and Ansible to manage CI/CD pipelines.

**Responsibilities:**

* Highly motivated and committed Cloud and DevOps Engineer experienced in Automating, Configuring and deploying instances on AWS cloud environment and Data centers.
* Involved in Migrating Source code from GIT to GITHUB, Migrating pipelines, user permissions, work items from one instance to another instance.
* Develop and enforce security standard methodologies, processes and tools and Ensure compliance to enterprise architecture, security policies, and operational procedure using tools like Gitgaurdian, GitLeaks and GitHub Secret scanning .
* Migrated 100+ TFS repos to GITHUB using migration tools (BOFA-Migrate)
* Involved in creating NUGet packages(.nupkg) using TemaCity CI tool.
* Used Ansible to install the software packages in AWS EC2 instances and On premise servers and integrated with Jenkins CI CD pipelines.
* Involved in designing and deploying a multitude of applications utilizing almost all the AWS stack including EC2, Route53, S3, RDS, Dynamo DB, SNS, SQS, LAMBDA, REDSHIFT, focusing on high-availability, fault tolerance and auto-scaling in AWS cloud formation.
* Supported AWS cloud environment with 200+ AWS instances and configured Elastic IP & Elastic Storage and experience in working on implemented Security groups and Network ACLs.
* Configured AWS Identity and Access Management (IAM) Groups and Users for improved login authentication. Provided policies to groups using policy generator and set different permissions based on the requirement along with providing Amazon Resource Name (ARN).
* Worked on AWS CloudWatch, CloudFormation, Cloud Trail services and CloudFront to setup and manage cached content delivery. Created Elastic load balancers (ELB) and used Route53 with failover and latency options for high availability and fault tolerance.
* Experience in implementing AWS lambda to run servers without managing them and to trigger run code by S3 and SNS.
* Implemented AWS Code Pipeline and Created Cloud formation JSON templates in Terraform for infrastructure as code.
* Infrastructure like Apache Tomcat, JDK, and configuration tasks for new environments.
* Extensively worked on ansible deployments, written various ansible playbooks with multiple roles, tasks with loops, templates, service management, host variables, group variables etc.
* Used Ansible to manage Web applications, Environments configuration Files, Users, Mount points and Packages.
* Responsible for Continuous Integration and Continuous Delivery process implementation using Jenkins along with Python and Shell scripts to automate routine jobs.
* Integrated Ant and Maven with Jenkins to run to automate the build process as a part of continuous delivery.
* Experience in working with EC2 Container Service plugin in Jenkins which automates the Jenkins master-slave configuration by creating temporary slaves.
* Integrating Defect tracking tool JIRA with Confluence and Jenkins CI server for identifying, logging and, tracking and documenting defects/issues in real-time.
* Focused on containerization and immutable infrastructure. Docker has been core to this experience, along with Kubernetes.
* Created Docker images using a Docker file. Worked on Docker container snapshots, removing images and managing docker volumes and experienced with Docker container service.
* Involved in SCRUM ceremonies (stand-up, grooming, planning, demo/review and retrospective) with the teams to ensure successful project forecasting and realistic commitments.
* Maintain a Live Like environment to test any production issues on the setup and push it into production.
* Configure and maintain stress server in different geographical location and provide setup in every release to perform stress testing.
* Configuration Management using Subversion (SVN) and maintaining admin related files.
* Automating the regular tasks in Subversion and streamlining the process of access to SVN.
* Migrated Projects from SVN to GIT.

**Environment: Redhat Linux 7.x, AWS, Ansible ,ElasticSearch, LogStash and Kibana (ELK), Chef, Ant, Maven, Jenkins, Shell, Jira, Python, Oracle, WebLogic Server 11g, Load Balancers, WLST, Apache Tomcat, Docker, Kubernetes, Virtualization, Configured plug-ins for Apache HTTP server, Nginx, LDAP, JDK1.7, XML, SVN, GitHub/Bitbucket**

**Client: Credit Suisse, Zurich, Switzerland Oct 2018 – Sep 2019**

**Role: Senior DevOps Engineer**

**Responsibilities:**

* Worked on AWS cloud to provision new instances, S3 Storage Services, AWS EC2, CloudWatch services and CI/CD pipeline management through Jenkins and Created IAM policies for administration in AWS to assist type applications.
* Responsible for designing, implementing and supporting of cloud-based infrastructure and its solutions. Worked on security groups, network ACL's, internet gateways and route tables to ensure a secure zone for organization in AWS public cloud. Also, developed Java APIs for Amazon Lambda to manage some of the AWS services.
* Involved in migrating the applications to AWS cloud for hosting. Designed auto scaling group to spin up/down the servers and was responsible to send notifications through SNS for every activity occurred in the cloud environment and automated all configurations using Ansible.
* Implemented Blue/Green Deployments with AWS Code Deploy where new version of application is tested in deployment other than in-place deployment and then traffic is diverted into the latest deployment.
* Used Ansible to install the software packages in AWS EC2 instances and on premise servers and integrated with Jenkins CI CD pipelines.
* Worked with Terraform for automating VPC's, ELB's, security groups, SQS queues, S3 buckets, and continuing to replace the rest of our infrastructure. Written Templates for AWS infrastructure as a code using Terraform to build staging and production environments.
* Developed & maintained Infrastructure as code using CI/CD deployments using Terraform. Also, developed and tested environments of different applications by provisioning Kubernetes clusters on AWS using Docker, Ansible, and Terraform.
* Extensively worked on Jenkins CI/CD pipeline jobs for end-to-end automation to build, test and deliver artifacts and troubleshoot the build issue during the Jenkins build process.
* Built Scripts using ANT and MAVEN build tools in Jenkins to move from one environment to another environment.
* Expertise in integrating Terraform with Ansible to create and Version the AWS Infrastructure.
* Performed Branching, Tagging, Release Activities on Version Control Tool GIT (GitHub)
* Deployed Kubernetes clusters on top of amazon EC2 instances using KOPS and managed local deployments in Kubernetes creating local clusters and deploying application containers and building/maintaining docker container clusters managed by Kubernetes and deployed Kubernetes using helm charts.
* Used docker container clusters to clone the production servers and implementing Kubernetes orchestration for clone’s production servers.
* Implemented a production ready, load balanced, highly available, fault tolerant, auto scaling, Kubernetes AWS infrastructure and micro service container orchestration.
* Developed Docker images to support Development and Testing Teams and their pipelines and distributed Jenkins, JMeter images, and Elastic Search, Log stash & Kibana (ELK).
* Configured Kubernetes Replication controllers to allow multiple pods such as Jenkins master server in multiple minions.
* Experience in using Tomcat, JBoss and WebLogic Application servers for deployments.
* Experienced in automation using Python, Ruby and UNIX Shell/bash scripting.

**Environment: AWS, Terraform, Ansible, Jenkins, Docker, Kubernetes, Git, ELK, ANT, Maven, Shell, PowerShell, Python, Tomcat, JBoss, WebLogic, Oracle, MYSQL, MSSQL, DynamoDB.**

**Client: FMB Capitals, Mauritius** **Feb 2017 – Oct 2018**

**Role: AWS DevOps Engineer**

Worked on investment banking and capital investment banking application to perform Front Office, Mid Office, Back Office and Risk operations. Creating CI/CD pipelines and taking care of regular deployments. Understanding the needs and challenges of a client across operations and development, and partner to formulate solutions that support the business and technical strategies and goals.

**Responsibilities:**

* Configured Jenkins as continuous integration tool and automated build and deployments to various environments.
* Participate in ECAB/CCB meeting for getting Release Approvals.
* Triggering build from Jenkins and managing release artifacts
* Preparing implementation plan for monthly releases and coordinating deployments.
* Planning and execution of Production Releases as per Agile commit.
* Following JIRA & Confluence for Dev updates and any changes to Release Plan (Release Scope).
* Managing the Kubernetes cluster that includes scaling up and down the AWS app nodes.
* Experience working on several Docker components like Docker Engine, Docker Hub, Docker machine, Docker compose and Docker registry the complete installation and hosting was automated with AWS cloud formation and Terraform
* Proficient with container systems like Docker and container orchestration like EC2 Container Service, Kubernetes, worked with Terraform.
* Used Splunk tool in order to analyze the logs in the applications.
* Involved in handling various Incident and request related to the application.
* Involved in installing and using Splunk app for Linux and UNIX.
* Involved in developing complex scripts to automate batch jobs.
* Manage Splunk configuration files like inputs, props, transforms, and lookups.
* Worked on T SQL queries and altering and defining for related data bases.
* Deployed and maintained the web application utilizing Docker and Kubernetes for scalability and security.
* Installing and configuring source code management repository, according to the custom needs developer's team,
* Performing source code management like branching, merging, and tagging in Git, and resolve the merge conflicts,
* Working with Git and Jenkins CI/CD Continuous Integration of Server-Installation, Configuration and Design.
* Set up Jenkins on build server and build jobs to provide continues automated builds based on polling the GitHub source code system during the day and periodic scheduled to builds overnight to support development need to Jenkins, created plans, jobs, and tasks, stages, conduct the automatic builds for projects.
* Configure Slack for notification, Teamwork in Slack happens in channels a single place for messaging, tools and files - helping everyone save time and collaborate together If the build fails or Success then the concerned team will be notified.
* User Maven for builds jobs, jar, war, ear artifacts which are we deployed in Tomcat server
* If the build the successful, then Jenkins deploys the built in the test servers like Tomcat. And this artifact saves in nexus repository server.
* Build and manage real time, monitoring dashboards using Elastic Search-Logstash-Kibana (ELK’S).
* Experienced in installing, configuring, and managing RDBMS and NoSQL tools like Elastic Search, MongoDB (NoSQL) and Cassandra DB.
* These activities are creating a pipeline.
* Creating of Organization, Environment, and users in Ansible Server.
* Creating Docker images, Docker Registry and handling multiple images.
* Creating, maintaining and monitoring Jenkins build jobs. Managing Jenkins plugins installation/update and user access.
* Implemented multiple CI/CD pipelines as part of DevOps role for on-premises and cloud-based software using Jenkins, Chef and AWS.

**Environment: Linux, VMware vSphere v6.0, AWS, Ansible, Jenkins, Git, Apache HTTPD, VPC, Route53, SQL, ELB, Terraforms, Cloud Formation, Docker, Jira, AWS CLI, AWS Auto Scaling, Java/J2EE, Maven, Unix/Linux, Python, PowerShell/Shell scripting, Git, Web pack, Nginx, Splunk and NodeJs**

**Client: Bank of Mauritius, Mauritius Sep 2015 – Jan 2017**

**Role: DevOps Engineer**

AWS Devops and responsible for Infrastructure, deploying, cloud application AWS platform manage, and maintain tools to automate operational processes. Continuous deployment is a core concept in this project.

**Responsibilities:**

* Primary duties include Build and Deployment of the java applications onto different environments Dev, QA and UAT.
* Generated Ant, Maven, Perl & UNIX scripts for build activities in QA, Staging and Production environments.
* Worked on the transition project which involves migration activities from Ant to Maven in order to standardize the build across all the applications.
* Managed Users and Groups in SVN and involved in troubleshooting client spec issues and user issues.
* Automated the deployment and server bounce process is by creating the scripts using WebLogic Scripting Tool (WLST).
* Build artifacts (WAR’s and EAR’s) are deployed into a Weblogic app server by integrating the WLST scripts to Shell Scripts.
* Maintained configuration files for each application for build purpose and installed on different environments.
* Directed the Release Management Calls to synchronize with the Developers, Testers and DBA teams for successful Release.
* Used Maven dependency management system to deploy snapshot and release artifacts to Nexus to share artifacts across projects.
* Configured and maintained Jenkins to implement the CI process and integrated the tool with Ant and Maven to schedule the builds.
* Work with development/testing, deployment, systems/infrastructure and project teams to ensure continuous operation of build and test systems.
* Presented reports to the Project manager about the progress and issues tracking key project Milestones, plans and resources.

**Environment: Java/J2EE, Subversion, Jenkins, JIRA, OpenStack, Maven, GIT, ANT, Puppet, AWS, Python, Remedy, Unix Shell Scripting, C++**

**Client: Bank of America, China**  **Feb 2011 – Aug 2015**

**Role: Build Release Engineer**

Was responsible for Build and Deployment of the Finacle applications onto different environments Dev, QA and UAT

**Responsibilities:**

* Implementing new projects builds framework using Jenkins & maven as build framework tools
* Involved in Setup and Configuration of Ansible Configuration Management.
* Installed and configured an automated tool Ansible on host
* Created and updated Ansible manifest files and stored in the GIT repository.
* Generated Ant, Maven, Perl & UNIX scripts for build activities in QA, Staging and Production environments.
* Worked on the transition project which involves migration activities from Ant to Maven in order to standardize the build across all the applications.
* Managed Users and Groups in SVN and involved in troubleshooting client spec issues and user issues.
* Automated the deployment and server bounce process is by creating the scripts using WebLogic Scripting Tool (WLST).
* Build artifacts (WAR’s and EAR’s) are deployed into a Weblogic app server by integrating the WLST scripts to Shell Scripts.
* Maintained configuration files for each application for build purpose and installed on different environments.
* Directed the Release Management Calls to synchronize with the Developers, Testers and DBA teams for successful Release.
* Used Maven dependency management system to deploy snapshot and release artifacts to Nexus to share artifacts across projects.
* Configured and maintained Jenkins to implement the CI process and integrated the tool with Ant and Maven to schedule the builds.
* Work with development/testing, deployment, systems/infrastructure and project teams to ensure continuous operation of build and test systems.
* Presented reports to the Project manager about the progress and issues tracking key project Milestones, plans and resources.

**Environment: Java/J2EE, Subversion, Jenkins, JIRA, OpenStack, Maven, GIT, ANT, Puppet, AWS, Python, Remedy, Unix Shell Scripting, C++**

**Client: Motorola, Hyderabad, India**  **Dec 2008 – Feb 2011**

**Role: Software Engineer**

**Responsibilities:**

* Developed Reports using Java Utility classes.
* Involved in creation of Queries and Mapped to Java Objects Using AWT framework.
* Used Tiles Framework for Developing Reusable User Interface Components.
* Involved in Code Review and Processes.
* Worked on Enhancements and Defect Fixing

**Environment: Java 2.0 (JDK 1.4), JDBC, MS SQL Server 2003, GO XML 6.1 and VSS**

**Client: Blackboard Academic Suite**  **Apr 2006 – Dec 2008**

**Employer & Location: Applabs, Hyderabad, India**

**Role: Software Engineer**

**Responsibilities:**

* Designing of screens using JSP with Struts TagLib and form validations using Struts framework.
* Involved in developing the product using Servlets, and JSP, DAO’s.
* Involved in development of JReports.
* Worked on Change Requests and Defect Fixing

**Environment: Java 2.0 (JDK 1.4), JDBC, MS SQL Server 2003, GO XML 6.1 and VSS**