Rajasekhar

Mobile: +91 6303270833

Email: rajakalam232@gmail.com

**Experience summary:**

* Having 7.2 Years of experience in Information Technology and around 4.6 years of experience in DevOps, Jenkins, Docker, Kubernetes, Ansible. Apache Kafka.
* Working with Enterprise Architects, Project Managers, Vendors, Developers and Deployment Managers to define and implement a Software Configuration Management solution.
* Maintain adherence to architectural standards/Principals, global product specific guidelines, usability design standards etc.
* Having strong experience setting Up Apache Kafka Cluster which includes Zookeeper and broker nodes.
* Monitoring and managing and troubleshooting and performance tuning of apache Kafka cluster components.
* Setting Up Kafka environments from scratch including non-production and production environments and setting monitoring tool of all Kafka components.
* Experience in working with Google Cloud GKE cluster from scratch and managing services using Cloud provider.
* Working Could based containers and deploying top of Google cloud Kubernetes clusters for providing scalability and high availability of applications.
* Having strong experience in Install and configure CI/CD server to automate the application build and test and deploy the applications.
* Design and deploy new features to streamline all the manual operations.
* Working closely with Architecture, Development, Test, Security and IT Services teams
* Developing scripts for build, deployment, maintenance and related tasks using Jenkins, Docker.
* Leading a small team of Deployment and Build Engineers.
* Managed Docker orchestration and Docker containerization using Kubernetes.
* Used Kubernetes to orchestrate the deployment, scaling and management of Docker Containers.
* Designed and implemented a continuous build-test-deployment (CI/CD) system with multiple component pipelines using Jenkins to support weekly releases and out-of-cycle releases based on business needs
* Experience with container-based deployments using Docker, working with Docker images, Docker Hub and Docker-registries and Kubernetes.
* Involved in development of test environment on Docker containers and configuring the Docker containers using Kubernetes.
* Developed microservice on boarding tools leveraging Python and Jenkins allowing for easy creation and maintenance of build jobs and Kubernetes deploy and services.
* Worked on infrastructure with Docker containerization and maintained Docker Images and containers.
* Experimented with Docker, by using Docker-compose.
* Responsible for product deployments into QA, STAGE and PROD environments.
* Automating the deployment and build of Application Servers across multiple environments, technologies and platforms.
* Working closely with the development and operations organizations to implement the necessary tools and process to support the automation of builds, deployments, testing and infrastructure (infrastructure as code) using Ansible.
* Coordinating with resources by working closely with project manager s for the release and project manager for all the operational projects.
* Implement the build automation process for all the assigned projects in vertical apps domain monitors the UAT/production environments for any downtime issues by performing regular CRON job updates in servers.
* Working with git hub enterprise to manage source code repositories and performed branching, merging, and tagging depending on the requirement.
* Developing git hooks for the local repository, code commit, and remote repository, code push functionality and worked on the git hub.
* Experience in working on version control systems like subversion, git and used source code management client tools like git bash, GitHub and other command-line applications.
* Providing configuration management expertise to all software development projects.
* Automation of java applications to achieve continuous integration and continuous delivery CI/CD.
* Setup full CI/CD pipelines so that each commit a developer makes will go through standard process of software lifecycle and gets tested well enough before it can make it to the production.
* Having strong experience in install and configure and integration of Kubernetes master and worker node components.
* Experience in Provides design, development, testing, maintenance, delivery and support for the full life cycle of activities related to Systems and subscriptions in Azure Cloud environment.
* Handle all Kafka environment builds, including design, capacity planning, cluster setup, performance tuning and ongoing monitoring.
* Creation of key performance metrics, measuring the utilization, performance and overall health of the cluster.
* Having experience in experience in design, implementation, monitoring, and troubleshooting messaging infrastructure Kafka.
* Having experience in installing, configuring and supporting Hortonworks Kafka in an enterprise environment.
* Experience implementing and administering/managing technical solutions in major, large-scale system implementations
* Strong experience in using Ansible to automate each part of application environment and writing playbooks to automate the updated and changes.
* Setup of CI/CD pipelines using docker templates and Kubernetes templates over Azure Cloud services.
* Handling setup of all the open-source tools running docker and Kubernetes engines on Azure /Aws Cloud.
* Experience in setting up the build and deployment automation for Terraform scripts using Jenkins.
* Experience in troubleshooting any issues generated while build and deployments.
* Having good experience in configuration management tools like Ansible for transferring and running the modules with the help of SSH based systems.
* Work with different team members for automation of release components.
* Managed Docker orchestration and Docker containerization using Kubernetes.
* Deploying of Nginx containers on Kubernetes as well monitoring and managing of Nginx containers.
* Monitoring log of Ngnix containers and providing troubleshooting steps if any red alerts and all.
* Experience in monitoring and managing the whole applications and logs for troubleshooting if any one of the nodes get fail are crash.
* Closely monitor the containerized applications and involved in build and test and run the customized containers.
* Experience in creation of docker /Jenkins’s file to automate the build and test and deploy the containerized applications.
* Having experience in setup Jenkins’s server master and slave configurations along with managing

CI/CD jobs.

* Hands on experience with managing various development and build platforms and deployment strategies.
* Used Ansible Playbooks to setup Continuous Delivery Pipeline. Deployed micro services, including provisioning AWS environments using Ansible Playbooks.
* Used Ansible to document all infrastructures into version control.
* Experience in and demonstrated understanding of source control management concepts such as branching, merging, labelling and integration.
* Experience in building and deploying java applications and troubleshooting the build and deploy failures.
* Good knowledge in managing the Nexus and Artifactory repositories for the maven artifacts and dependencies.
* Experience in maintaining and executing build scripts to automate development and production builds.
* Extensive experience Work with developers on the Continues Integration/Continuous Delivery pipeline.
* Hands-on experience in software containerization platforms like Docker and container orchestration tools like Kubernetes and Docker Swarm.
* Provide application expertise to assist with identifying business and technical requirements for project activities. Identify and raise risks as they relate to the application or business processes around the application. Identify and communicate support requirements and lead the transition of support activities from project to production.

**Technical Summary:**

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| --- | --- |
| Operating Systems | UNIX, Solaris, Windows XP. |
| Scripting Languages | WLST, shell, JBOSS CLI |
| Java/J2EE Technologies | JDBC, JNDI, JSP, Servlets. |
| DevOps Tools | Jenkins.  Docker.  Kubernetes.  Ansible.  Kafka. |
| Application Servers | Jboss EAP 7.2, 6x.  WebLogic Server 11g/12c. |
| Http Web Servers | Apache 2.4.  Jboss Web Sever. |
| Source Code Repository’s. | SVN, GitHub. |
| Monitoring Tools | Prometheus, Catchpoint, Gafana. |
| Cloud Provider | Google Cloud, Azure. |

**Experience Summary:**

**Project@4**

**Project Name : Equifax**

**Role : Consultant(Kafka Engineer)**

**Company : Deloitte**

Responsibilities:

* Designing and implementing Continuous Integration, Continuous Delivery and Continuous Deployment pipelines for a range of projects and environments
* Setting Up Apache Kafka Cluster setup in top Google Cloud Linux flavored servers including Kafka Zookeeper and worker nodes.
* Monitoring and managing troubleshooting and performance tuning of Kafka cluster components.
* Maintaining detailed documentation of moderately complex system specifications, including system installation procedures, system backup, recovery techniques, and system test methods.
* Involved in development of test environment on Docker containers and configuring the Docker containers using Kubernetes.
* Developed microservice on boarding tools leveraging Python and Jenkins allowing for easy creation and maintenance of build jobs and Kubernetes deploy and services.
* Worked on infrastructure with Docker containerization and maintained Docker Images and containers.
* Experimented with Docker, by using Docker-compose.
* Responsible for product deployments into QA, STAGE and PROD environments.
* Implemented a production ready, load balanced, highly available, fault tolerant Kubernetes infrastructure.
* Created private cloud using Kubernetes that supports DEV, TEST, and PROD environments.
* Containerized all the Ticketing related applications - Spring Boot Java and Node.js applications using Docker.
* Managed Kubernetes charts using Helm. Created reproducible builds of the Kubernetes applications, managed Kubernetes manifest files and Managed releases of Helm packages.
* Responsible for the Continuous Delivery pipeline given to all application teams as they on-board to Jenkins as a part of migration.
* Configuring Jenkins as a common build engine to build and deploy applications to dev, QA, UAT and prod environment
* Primary duties include build and deployment of the java applications onto different environments like dev, QA, UAT, and production.
* Working on configuration management tool Ansible for continuous delivery.
* Creating playbooks for new environments and modified existing plays to provision into Rackspace.
* Expertise in Installing, configuring & administering Jenkins on Linux machines along with adding/updating plugins like GIT, ANT, Ansible, Sonar, Check style, Deploy to Container, Build Pipeline etc.
* Installation, integration and configuration of Jenkins CI/CD, including installation of Jenkins plugins.
* Introducing and implementing DevOps solutions for a range of Agile projects, creating automated build, deployment, monitoring, testing and reporting pipelines and solutions
* Introducing Continuous Integration and containerization principles and best practice to multiple product teams, introducing and onboarding them to Kubernetes, Docker and Jenkins pipelines
* Developing CI/CD pipelines for build, test and deployment

**Environment**: Docker, Kubernetes, Ansible, Terraform, GitHub,Nginx, Google Cloud, Kafka.

**Project@3**

**Project Name : Calix**

**Role : DevOps Engineer**

**Company : Bristlecone**

Responsibilities:

* Designing and implementing Continuous Integration, Continuous Delivery and Continuous Deployment pipelines for a range of projects and environments
* Setting Up Apache Kafka Cluster setup in top Google Cloud Linux flavored servers including Kafka Zookeeper and worker nodes.
* Monitoring and managing troubleshooting and performance tuning of Kafka cluster components.
* Maintaining detailed documentation of moderately complex system specifications, including system installation procedures, system backup, recovery techniques, and system test methods.
* Involved in development of test environment on Docker containers and configuring the Docker containers using Kubernetes.
* Developed microservice on boarding tools leveraging Python and Jenkins allowing for easy creation and maintenance of build jobs and Kubernetes deploy and services.
* Worked on infrastructure with Docker containerization and maintained Docker Images and containers.
* Experimented with Docker, by using Docker-compose.
* Responsible for product deployments into QA, STAGE and PROD environments.
* Implemented a production ready, load balanced, highly available, fault tolerant Kubernetes infrastructure.
* Created private cloud using Kubernetes that supports DEV, TEST, and PROD environments.
* Containerized all the Ticketing related applications - Spring Boot Java and Node.js applications using Docker.
* Managed Kubernetes charts using Helm. Created reproducible builds of the Kubernetes applications, managed Kubernetes manifest files and Managed releases of Helm packages.
* Responsible for the Continuous Delivery pipeline given to all application teams as they on-board to Jenkins as a part of migration.
* Configuring Jenkins as a common build engine to build and deploy applications to dev, QA, UAT and prod environment
* Primary duties include build and deployment of the java applications onto different environments like dev, QA, UAT, and production.
* Working on configuration management tool Ansible for continuous delivery.
* Creating playbooks for new environments and modified existing plays to provision into Rackspace.
* Expertise in Installing, configuring & administering Jenkins on Linux machines along with adding/updating plugins like GIT, ANT, Ansible, Sonar, Check style, Deploy to Container, Build Pipeline etc.
* Installation, integration and configuration of Jenkins CI/CD, including installation of Jenkins plugins.
* Introducing and implementing DevOps solutions for a range of Agile projects, creating automated build, deployment, monitoring, testing and reporting pipelines and solutions
* Introducing Continuous Integration and containerization principles and best practice to multiple product teams, introducing and onboarding them to Kubernetes, Docker and Jenkins pipelines
* Developing CI/CD pipelines for build, test and deployment

**Environment**: Jenkins, Docker, Kubernetes, Ansible, Terraform, GitHub,Nginx, Google Cloud, Kafka.

**Project@2**

**Project Name : Hawaii**

**Role : DevOps Engineer**

**Client : Kolea**

**Company : Speridian Technologies**

Responsibilities:

* Designing and implementing Continuous Integration, Continuous Delivery and Continuous Deployment pipelines for a range of projects and environments
* Maintaining detailed documentation of moderately complex system specifications, including system installation procedures, system backup, recovery techniques, and system test methods.
* Involved in development of test environment on Docker containers and configuring the Docker containers using Kubernetes.
* Developed microservice on boarding tools leveraging Python and Jenkins allowing for easy creation and maintenance of build jobs and Kubernetes deploy and services.
* Worked on infrastructure with Docker containerization and maintained Docker Images and containers.
* Experimented with Docker, by using Docker-compose.
* Responsible for product deployments into QA, STAGE and PROD environments.
* Implemented a production ready, load balanced, highly available, fault tolerant Kubernetes infrastructure.
* Created private cloud using Kubernetes that supports DEV, TEST, and PROD environments.
* Containerized all the Ticketing related applications - Spring Boot Java and Node.js applications using Docker.
* Managed Kubernetes charts using Helm. Created reproducible builds of the Kubernetes applications, managed Kubernetes manifest files and Managed releases of Helm packages.
* Involved in implementing Ansible configuration management and maintaining them in several environments on AWS cloud.
* Responsible for the Continuous Delivery pipeline given to all application teams as they on-board to Jenkins as a part of migration.
* Configuring Jenkins as a common build engine to build and deploy applications to dev, QA, UAT and prod environment
* Primary duties include build and deployment of the java applications onto different environments like dev, QA, UAT, and production.
* Working on configuration management tool Ansible for continuous delivery.
* Creating playbooks for new environments and modified existing plays to provision into Rackspace.
* Expertise in Installing, configuring & administering Jenkins on Linux machines along with adding/updating plugins like GIT, ANT, Ansible, Sonar, Check style, Deploy to Container, Build Pipeline etc.
* Installation, integration and configuration of Jenkins CI/CD, including installation of Jenkins plugins.
* Introducing and implementing DevOps solutions for a range of Agile projects, creating automated build, deployment, monitoring, testing and reporting pipelines and solutions
* Introducing Continuous Integration and containerization principles and best practice to multiple product teams, introducing and onboarding them to Kubernetes, Docker and Jenkins pipelines
* Developing CI/CD pipelines for build, test and deployment
* Creation and configuration of K8 cluster which includes Kubernetes master and worker node components.
* Deploying the containers on k8 clusters to achieve scalability and high availability containerized applications.
* Involved in providing life cycle management of docker containers including build and deploy the container to clusters.
* Did setup of Continues integration and continues deployment jobs in Jenkins to automate the application deployment Kubernetes clusters.
* Creation and execution of docker and Jenkins files where I can build and deploy docker containers automatically.
* Monitoring and managing of containers and Pods and Kubernetes master and worker node components.
* Troubleshooting if any file missing are any exceptions on cluster components and CI /CD jobs.
* Monitoring and managing of CI/CD jobs over Jenkins during this if any alerts and build failures then we can take a step to troubleshoot based on Jenkins’s console output.
* Using Ansible to deploy my containerized applications to Kubernetes cluster components.
* Managing the users and groups providing access to the users and groups to taken security measurements of Jenkins jobs.
* Build a scripted pipelines to achieve my build and test and deploy containerized applications.
* Responsible for automation with enterprise GitHub, Jenkins, nexus.
* Involved setup Jenkins pipelines with scripted / declarative mode.
* Implemented using infrastructure as a code using Ansible / terraform with cloud formation templates.
* Ability to create new Jenkins jobs rapidly and allows configuration of jobs to be stored in source control.
* Involved in managing and maintaining of Aws / Azure resources on custom dashboard.
* Installed and configured VM containers on cloud providers and dedicated to my docker and Kubernetes components
* Involved in installation and configuration of Openshift container top of Docker and Kubernetes.
* Setup Jenkins servers on top of openshift and integrating source code repositories to automate the application deployments.
* Worked on OpenShift dedicated private hosting of applications and deployments of micro services.
* Open Shift automates source code management, application builds, deployments, scaling, health

**Environment**: Jenkins, Docker, Kubernetes, Ansible, Terraform, GitHub, WebLogic 11g/12c, Jboss EAP, Nginx, Google Cloud, Kafka.

**Project@1**

**Project Name :** Srilankan Airlines

**Role :** Associate IT Consultant

**Company** : ITC Infotech

**Responsibilities:**

* Creation and configuration and setup the environment for development applications along supporting for existing environment.
* Responsible for automation with enterprise github, Jenkins, nexus.
* Involved setup Jenkins pipelines with scripted / declarative mode .
* Implemented using infrastructure as a code using Ansible / terraform with cloud formation templates.
* Ability to create new Jenkins jobs rapidly and allows configuration of jobs to be stored in source control.
* Involved in managing and maintaining of Aws / Azure resources on custom dashboard.
* Installed and configured VM containers on cloud providers and dedicated to my docker and Kubernetes components
* Involved in installation and configuration of OpenShift container top of Docker and Kubernetes.
* Setup Jenkins servers on top of OpenShift and integrating source code repository’s to automate the application deployments.
* worked on OpenShift dedicated private hosting of applications and deployments of micro services.
* OpenShift automates source code management, application builds, deployments, scaling, health management and more.
* Setting up Jenkins servers and managing CI/CD jobs and respective plugins.
* Involved in installation and configuration setup of Nginx server on RHEL operation system.
* Involved in create and run Nginx containers on docker and deploying those containers to Kubernetes cluster components.
* Log monitoring and troubleshooting and performance tuning of Nginx Web servers and providing load balancing features.
* Setup reverse proxy on top of Nginx servers as well creation and configuration of containers to Kubernetes.
* Involved in integration and other tools like Maven, Git, Sonar cube, Nexus etc.
* Setting up Docker environment and writing docker files and creating custom images.
* Involved in creating and managing docker images and docker containers.
* Setting up Kubernetes environment on premises.
* Managing containers on pods and managing Kubernetes nodes.
* Setup DEV and SIT and UAT and production environment for end user applications.
* Managing Git Repository’s using various git commands.
* Along with integrating of CI /CD process to achieve automation of environment deployment process.
* Setup the environment of different stages of environment into Jenkins and authenticate different plugins to complete the automation
* Implement and improve monitoring and alerting.
* Build and maintain highly available systems on Kubernetes.
* Implement an auto-scaling system for our Kubernetes nodes.
* Experience with container networking on Docker.
* Experience with application deployment by using CI/CD.
* Implement an auto-scaling system for our Kubernetes nodes.
* Participate in on-call rotations.
* Managed Docker orchestration and Docker containerization using Kubernetes.
* Used Kubernetes of orchestrate the deployment, scaling and management of Docker Containers.
* Involved in writing couple of playbooks to automate our infrastructure and inside the application server changes.
* Involved in integrate of external AD users to Jenkins and enabling security features of Jenkins and other tools.
* involved in deployment of applications by using different methodology
* Establish an end to end connectivity through various applications in the banking domain.
* Involved in creation and maintaining of technical design document along configuration and tuning document.
* Server and application performance monitoring and actions for performance improvement.
* Creating, maintaining and projecting the appropriate metrics to business.
* Having experience in Installation, Configuration, integration of Continues Integration and Continues Deployment.
* Having experience into creation and deploying of applications into Docker containers which is useful to scalability and high availability of applications.

**Environment**:

Jenkins, Docker, Kubernetes, Ansible, Terraform, GitHub, WebLogic 11g/12c, Jboss EAP, Nginx, Aws/ Azure.