**Vinod Reddy**

**DevOps/Cloud Engineer**

Cloud enthusiastic team player having Around 9 years of experience in the IT industry as a DevOps Engineer with proven expertise in Automation, Build/Release Engineering, and Software development involving cloud computing platforms like Azure, AWS and GCP.

**PROFESSIONAL SUMMARY:**

* Experience in several AWS Services including EC2, VPC, IAM, S3, RDS, ELB, Route 53, Cloud Watch, Cloud Formation Templates, Cloud Front, Cloud Trail, AWS CDK, ALB/NLB Load Balancers, AWS inspector and administering them using AWS Console and AWS Command-line Interface.
* Having Strong experience in container Technology Docker and container Orchestration Technology Kubernetes.
* Expert in various Azure services like Compute (Web Roles, Worker Roles), Caching, Azure SQL, NoSQL, Storage, and Network services, Azure Active Directory (AD), API Management, Scheduling, Azure Auto Scaling, and PowerShell Automation.
* Work collaboratively with software engineering teams to deploy and operate the company's system in a seamless fashion and help automate builds and deployments by utilizing different DevOps tools.
* Worked as Cloud Administrator on Microsoft Azure, involved in configuring virtual machines, storage accounts, resource groups.
* Implemented REST services with Golang and microservices architecture.
* Focused on cloud native solutions such as Kubernetes, Istio,etc.
* Hands on experience in Azure Development, worked on Azure web application, App services, Azure storage, Azure SQL Database, Virtual machines, Fabric controller, Azure AD, Microsoft SQL Server, Microsoft Visual Studio, Windows PowerShell, Cloud infrastructure, Azure search, and notification hub.
* Experienced in setting up the Kubernetes Cluster Setup on premise datacenter using Kubespray.
* Designed, configured, and deployed Microsoft Azure for a multitude of applications utilizing the Azure stack, focusing on high - availability, fault tolerance, and auto-scaling.
* Experience in Microsoft Azure Cloud Services (PaaS & IaaS), Application Insights, Document DB, Internet of Things (IoT), Azure Monitoring, Key Vault, Visual Studio Online (VSO) and SQL Azure.
* Strong technical background of Production Support and Solid project experience in SQL, PL/SQL, ORACLE 9, UNIX, SHELL SCRIPTING.
* Created dimensional Snowflake models based on Kimball methodology. Developed facts and dimensions tables using star and/or Snowflake schema. In-depth understanding of Snowflake cloud technology.
* Experience in Microsoft Dynamics CRM Data integration towards import/export of data using SIS and custom application development.
* Experience with Snowflake Multi-Cluster Warehouses and Snowflake Virtual Warehouses.
* Experience in Designing Azure Resource Manager (ARM) Template and in designing custom build steps using PowerShell.
* Developed Agile processes using Groovy, JUnit to use continuous integration tools Worked for designing and creating a Microservices delivery platform Initiative.
* Developed Web UI and API automated tests using Robot framework and Selenium.
* Implemented and set up jobs to Conan and Conan from the artifactory.
* Experience on working with MongoDB Ops Manager, Cloud Manager and Atlas Manager
* Experienced in working with Deployment strategies like Blue Green Deployment and Canary deployment.
* Good understanding of new web technologies like React.JS, Redux. Loads, Babel, ES6
* Performed mobile testing on the mobile web and React Native apps.
* Experienced in configuring Cloud platforms such as Virtual Networks Multi-site, Cross-site, VMs, Azure AD, Load Balancers, Azure SQL, Cloud Services, etc.
* Experience in use of web services and interacting with MS CRM database using web service methods.
* Experience in configuring virtualization platforms VMware ESXi, KVM, Openstack.
* Experience in Build and Release, SCM, GCP, AWS, Environment Management, Continuous Integration (CI), Continuous Delivery (CD) and Devops Methodologies.
* Experience in cloud technologies on both GCP and AS Platforms.
* Experience in migrating the Legacy application into GCP platform and managing the GCP services such as Compute Engine, cloud storage, Big Query, VPC, Stack Driver, Load Balancing and IAM.
* Experience in reducing the cost for compute engines in GCP as per utilization of services.
* Experience in working on terraform for provisioning the Environments in GCP.
* Experience in managing Amazon Web Services like EC2, S3 bucket, Route53, RDS, Dynamo DB, SNS, SQS, Lambda, EBS, ELB, Auto-Scaling, AMI, IAM through AWS Console and API Integration and focusing on high-availability, fault tolerance and auto-scaling in AWS Cloud Formation, deployment services (OpsWorks and Cloud Formation) and security practices (IAM, CloudWatch, CloudTrail).
* Experience in cloud automation using, AWS cloud Formation Templates, Chef, Puppet.
* Implemented multiple CI/CD pipelines as part of DevOps role for on-premises and cloud-based software using Jenkins, Maven, Nexus Repository, GitHub, Chef, Puppet, Terraform, Docker.
* Configured and managed Elastic Load Balancing (ELB) to implement fault tolerance and avoid a single point of failure of applications, thus providing high reliability and efficient usage.
* Installing, configuring and administering Jenkins CI tool on Linux machines and built Continuous Integration and Continuous delivery environment. Setup Docker on Linux and configured Jenkins to run under Docker.
* Experienced with Docker container service and Dockerized applications by creating Docker images from Docker file.
* Cleaning documents using OpenCV.
* Used Jenkins pipelines to drive all microservices builds out to the Docker registry and then deployed to Kubernetes, Created Pods and managed 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.

**TECHNICAL SKILLS:**

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| **Cloud Technology** |  | AWS, Azure, GCP. |
| **AWS** | | AWS EC2, ELB, S3, EBS, VPC, Route 53, RDS, Auto-Scaling, IAM, SNS, SES, SQS, Cloud Front, AWS CDK, Cloud Formation, Cloud Watch, Elastic Beanstalk. |
| **Azure** | | Virtual Machine, Vnet, Traffic Manager, VPC, Storage accounts, Azure Web App, AKS, ACR. |
| **GCP** | | Compute Engine, Anthos, GKE, Cloud Storage, Big Query, SQL, IAM. |
| **Technologies** | | CI/CD, Docker, AWS, Azure, GCP, Jenkins, Kubernetes. |
| **Operating Systems:** | | Windows, Unix, Linux, Solaris |
| **SCM Tools:** | | GIT, GitHub, Subversion, |
| **Version Control Tools** | | SVN, GIT, GitHub, Git lab, Bit bucket |
| **Tracking Tools** | | Jira, ServiceNow |
| **Build/Release (CI/CD)** | | Chef, Puppet, Ansible, Jenkins, Kubernetes, Azure, Cloud Foundry, Circle CI, TeamCity, Maven, ANT, Git, SVN, TFS, Atlassian Jira, Selenium, Harness, Robot framework, Nexus, J Frog, SonarQube, Docker |
| **Monitoring Tools** | | Nagios, App Dynamics, Dynatrace, Splunk, Log Stash, Apache JMeter |
| **Infrastructure as code** | | Terraform, CloudFormation, Ansible, Puppet, Chef |
| **Containerization Tools** | | Docker, Kubernetes, EKS, AKS, GKE. |
| **Networking Protocols** | | DNS, DHCP, TCP/IP, Cisco Routers/Switches, WAN, LAN, FTP/TFTP, direct connect, SMTP |

**EDUCATION:**

• Master’s in computer sciences, Oklahoma Christian University

• 3.6/4.0 GPA.

**WORK EXPERIENCE:**

**Client: Wells Fargo, Charlotte, NC Mar 2023 – Till Date**

**Role: AWS DevOps Engineer**

**Responsibilities:**

* Worked on designing and deploying a multitude application utilizing main services of the AWS stack (like EC2, S3, RDS, VPC, IAM, ELB, and Cloud watch, Route 53, Lambda and Cloud Formation) focused on high availability, fault tolerance environment.
* Implemented a 'server less' architecture using API Gateway, Lambda, and Dynamo DB and deployed AWS Lambda code from Amazon S3 buckets. Created a Lambda Deployment function and configured it to receive events from your S3 bucket.
* Experience in writing CloudFormation scripts to deploy different AWS Infrastructure components related to the respective services, managed various resources and data elements defined in the scripts.
* Cloud development and automation using AWS CDK (Cloud Development Kit) and AWS SAM (Serverless Application Model).
* Installed and configured CI/CD tools in AWS environment and deploying applications in Dev, QA and Production environments using CloudFormation scripts.
* Experience in AWS Lambda to deploy Micro-services and trigger to run code by S3 & SNS. Provide highly durable and available data by creating and managing policies for the S3 data store, versioning, life cycle policies.
* Migrated the current Linux environment to AWS/RHEL Linux environment and used auto scaling feature and Involved in Remediation and patching of Unix/ Linux Servers.
* Designed serverless microservice ETL application with AWS Lambda and S3 using AWS CDK.
* Configured site to site VPN connection and Direct Connect for high-rate data transfer.
* Configured Direct connect and VPN with AWS VPC
* Implemented Hadoop clusters on processing big data pipelines using Amazon EMR and Cloudera whereas it depended on Apache Spark for fast processing and for the integration of APIs.
* Used various languages and tools like SonarQube, Tomcat, Eclipse and XML
* Experienced managing release planning and branching strategy of GIT servers and worked on creating repositories in GITStash for multiple applications configured GIT repositories in Cl setup in Jenkins and Injected Groovy scripts in Jenkins for dashboard and customized email triggers.
* Developed Devops script in groovy to automate and collection analysis of Cassandra.
* Have experience in automation of the infrastructure using Terraform in AWS.
* Deployment of cloud services including Jenkins and Nexus using Terraform.
* Experience in Installation, configuration, tuning, security, backup, recovery, and Operating System upgrade on Red Hat Linux (RHEL 5, 6), Unix, Centos and Ubuntu.
* Worked on Linux server virtualization by creating Linux VMs for server consolidations.
* Handled several Docker components like Docker Engine, Hub, Machine, Compose and Docker Registry and experience with Docker container service and Dockerized applications by creating Docker images from Docker file and running them to create the Docker containers and Docker consoles for managing the application life cycle.
* Collaborate with development support teams to set up a continuous delivery environment with the use of Docker.
* Involved in installing and managing different automation and monitoring tools on red hat Linux like Nagios, Splunk and Puppet.
* Configured SPLUNK app for ONTAP and Kafka.
* Used TypeScript to code the application logic.
* Coordinating with Release Tears and preparing the release notes for Production releases.
* Developed and executed SQL statements on Dev, QA and Production database.
* Created dashboards, reports and alerts on Splunk for multiple applications.
* Used Kubernetes for automating deployment, scaling, and operations of application containers across clusters of hosts providing container centric infrastructure.
* Involved in Production Support Activities for every Sprint Release Cycle. Analyzed and resolved the critical production defects.
* Responsible for doing QA deployments and providing builds for UAT and Production environment.
* Developed a data warehouse model in Snowflake for over 100 datasets using Wherescape.
* Heavily involved in testing Snowflake to understand the best possible way to use cloud resources.
* Scheduled different Snowflake jobs using NiFi. Used NiFi to ping Snowflake to keep Client Session alive.
* Used Ansible and Ansible Tower as Configuration management tool, to automate repetitive tasks, quickly deploy critical applications, and proactively manage change.
* Hands on experience in standing up and administrating on premise Kafka platform.
* Created Kubernetes cluster with objects like Pods to deploy applications quickly and predictably. Used Kubernetes dashboard for container Management and pod creation etc.
* Experience in migrating SVN repositories to GIT and manage GIT repositories.
* Used Ansible Playbooks to set up Continuous Delivery Pipeline. Deployed micro services, including provisioning AWS environments using Ansible Playbooks.
* Used Ansible to document all infrastructures into version control.
* Implemented Ansible to manage all existing servers and automate the build/configuration of new servers.
* Enabling customers to better manage software development, deployments and infrastructure with tools such as Ansible, Jenkins, Maven, SVN and Git.
* Used Service Now as a CRM tool for release management, incident management and change management process.
* Deployed Container applications into the Kubernetes cluster using Helm charts.

**Environment:** AWS, EC2, S3, Groovy, Dynatrace, Kafka, RDS, EBS, Elastic Load Balancer, Docker, SonarQube, Ansible, Snowflake, Jira, JBoss AMQ, AWS CDK, Terraform, Hudson, Chef, Vagrant, TypeScript, Linux, SVN, Git, Gradle,ETL, Hadoop, Jenkins, Service now.

**Client: Northwestern Mutual, Milwaukee, WI Dec 2020 – Jan 2023**

**Role: Azure DevOps Engineer**

**Responsibilities:**

* Worked in enterprise cloud team to deploy and create different resources in Azure Cloud like Virtual Machine, resource group, security groups, storage account, AKS.
* Developing terraform modules and deploying the resources on AKS using Terraform enterprise tool.
* Worked on enabling azure log analytics to monitor the events and logging the cluster metrics.
* Using terraform modules to integrate different services like Azure key vault, Log Analytics, Autoscaling with AKS.
* Collaborated with different teams to implement disaster recovery plan and backup strategies, ensuring high availability.
* Worked on securing the AKS cluster by assigning different security policies using azure policy manager and making it compliant to the client’s compliance policies.
* Automated the process of creating namespace, setting up resource quota and access to the namespace on the AKS cluster.
* Used Kubernetes for Harness on-prem architecture to provide resiliency and high availability.
* Worked on creating shell scripts for canaries and deployed through Harness.
* Worked on Upgrading the AKS clusters to 1.26 for all the environments.
* Creating azure DevOps pipelines to build and deploy images to the AKS cluster.
* Created private cloud using Kubernetes that supports DEV, TEST, and PROD environments.
* Created CI/CD Pipelines in Azure DevOps environments by providing their dependencies and tasks. Also have experience in implementing and managing continuous delivery systems and methodologies on AS and created END-END Automation with CI Procedures using Jenkins.
* Managed Azure Infrastructure Azure Web Roles, Worker Roles, VM Role, Azure SQL, Azure Storage, Azure AD Licenses, Virtual Machine Backup and Recover from a Recovery Services Vault using Azure PowerShell and Azure Portal.
* Used Azure Kubernetes service to deploy a managed Kubernetes cluster in Azure and created an AKS cluster in the Azure portal, with the Azure CLI, also used template driven deployment options such as Resource Manager templates and terraform.
* Using Harshi Corp tools like Terraform and Vault for secret Storage.
* Experience in Creating ARM templates for Azure Platform.
* Used Docker for setting Azure Container Registry with Docker and Docker-compose and actively involved in deployments on Docker using Kubernetes.
* Developed automated deployment strategies using Terraform.
* Using Shell script migrated applications from Azure DevOps pipelines after containerizing them in version control.
* Authored and published a module to the Terraform registry for enterprise customers to deploy our product inside their Azure environment.
* Experienced with revision control systems including branching and tagging strategies using GitHub.
* Implemented Terraform Modules for deployment of various applications across multiple cloud providers and managing infrastructure.
* Implemented a production ready, load balanced, highly available, fault tolerant, and Kubernetes infrastructure.
* Extensively involved in infrastructure as code, managed Azure infrastructure using Terraform.
* Managed local deployments in Kubernetes, creating local cluster and deploying application containers.
* Leverage best-in-class solutions for workflows such as Secrets management, Security policy management.
* Created, maintained, and automated the scripts by using Groovy and BASH
* Developed solutions and automated Azure operational tasks and worked with ARM templates and scripts using Azure PowerShell during Automation and Build Process.

**Environment:** Azure DevOps, Kubernetes, CICD, AKS, Azure Key Vault, Prometheus, Terraform, Jenkins, Git, Harness, Azure Boards, PowerShell, YAML, Visual Studio Code, Service Mesh, Nginx, Linux, Windows servers, Docker, JIRA, RHEL, Shell Scripts.

**Client: IHC Group, Phoenix, AZ Jan 2019 – Nov 2020**

**Role: Azure DevOps Engineer**

**Project Description:**

Independence Holding Company is a holding company that is principally engaged in underwriting, administering and/or distributing group and individual specialty benefit products, including disability, supplemental health, pet, and group life insurance through its subsidiaries.

**Key Contributions:**

* Worked on Cloud Administrator on Microsoft Azure, involved in configuring virtual machines, storage accounts, resource groups.
* Involved in data warehouse implementations using Azure SQL Data warehouse, SQL Database, Azure Data Lake Storage (ADLS), Azure Data Factory v2.
* Involved in creating specifications for ETL processes, finalized requirements and prepared specification documents Migrated data from on-premises SQL Database to Azure Synapse Analytics using Azure Data Factory, designed optimized database architecture.

**Responsibilities:**

* Creating Docker images from Centos Linux as per requirement of the product/service and storing
* those Docker images to the ECR or Nexus Repository.
* Manage Windows 2012 servers, troubleshooting IP issues and working with different support teams.
* Installed istio for service mesh.
* Use Ansible for automatic configuration of new virtual systems AWS, GCE, ESXi, OpenStack
* Use Power shell to write, debug scripts to automate the processes and do migration of VM, involving copying and creating of VHDS.
* Configuration of Microsoft DevTest Labs to migrate the virtual machines from one subscription to another subscription.
* Installing, upgrading and configuring RedHat Linux 5.x, 6.x using Kickstart Servers and
* Interactive Installation
* Used React Router for routing the redux app to connect redux and react to support routes.
* Worked in using React native components, Forms, Event, Keys, Navigation and Redux concepts.
* Worked on state, specs, props and events to create interactive React JS components.
* Implemented MVVM architecture using React and Redux framework.
* Experience in Creating ARM templates for Azure Platform.
* Managing day to day activity of the cloud environment, supporting development teams with their requirements.
* Used Images to deploy the network.
* Convert existing Virtual Machine from Standard to Premium Storage Account. Patching and Validating of Virtual Machine in Azure.
* Code review with the help of SonarQube and HP fortify tools.
* Monitor Azure Infrastructure through System Center Operation Manager (SCOM).
* Worked in Azure Development, worked on Azure web application, App services, Azure storage, Azure SQL Database, Virtual Machines, Fabric controller, Azure AD, Azure search, and Notification hub.
* Developed Fetch XML based custom reports for CRM users.
* Created custom workflows to calculate Probability weighted revenue.
* Relocation of data from Excel source to CRM using SSIS component of Kingsway Soft.
* Upgraded Dynamic CRM from 2016 to Dynamic365.
* Used CRMSDK to perform operations on CRM Entities.
* Debugging the failure issues by capturing the array and registering dumps using shell.
* scripts, traces and performing several experiments by interacting with the design team.
* Implemented Multithreading module and complex networking operations like race route,
* Expertise in Microsoft Azure Cloud Services (PaaS & IaaS), Application Insights, Document DB, Internet of Things (IoT), Azure Monitoring, Key Vault, Visual Studio Online (VSO) and SQL Azure.
* Developed plug-ins for Dynamics CRM applications.
* Developed solutions and automated Azure operational tasks and worked with ARM templates and scripts using Azure PowerShell during Automation and Build Process.
* Worked on Azure Fabric, Microservices, IoT & Docker containers and involved in setting up Terraform continuous build integration system.

**Environment:** Azure DevOps, Kubernetes, Docker ACS & AKS, Prometheus, Splunk, Terraform, Ansible, Jenkins, Git, Azure Boards, Kafka, Maven, SonarQube, Python, PowerShell, YAML, VSTS, Visual Studio Code, Tomcat, Service Mesh, Nginx, Linux, Windows servers 2012/2016, ANT, Subversion (SVN), CHEF, Docker, Vagrant, Jupyter Notebook, Dynamic CRM, EC2, JIRA, RHEL, SNS, SQS, Shell Scripts, Bitbucket, TFS, SCM, API, GitBash.

**Client: TriNet Group Inc. Pleasanton, CA. Aug 2017 – Dec 2018**

**Role: AWS/ DevOps Engineer**

**Project Description:**

TriNet Group, Inc. is an American cloud-based professional employer organization for small and medium-sized businesses.

**Key Contributions:**

* + Configured and managed various AWS services including EC2, RDS, VPC, S3, Glacier, Cloud Watch, Cloud Front, ELB, SNS, SQS, SWF and Route 53.
  + Created S3 buckets, defined lifecycle policies, configured object versioning and Event Notification for S3 bucket.
  + Designed AWS cloud formation templates to create custom sized VPC, Subnets, NAT to ensure successful deployment of web applications and database templates.
  + Implemented cloud services AWS and implemented Bash Scripting.

**Responsibilities:**

* Designed and Developed AWS Cloud infrastructure utilizing Ansible with AWS Cloud Formation and Jenkins for Continuous Integration with high availability and secure multi-zones and automated end-to-end transit hub connectivity resource deployment in AWS via Terraform.
* Terraform for infrastructure as code.
* Implemented Terraform modules for deployment of applications across multiple cloud providers.
* Implemented to reprocess the failure messages in Kafka using offset id.
* Deployed and configured Elasticsearch, Logstash, and Kibana (ELK) for log analytics application monitoring in integration with AWS Lambda and CloudWatch.
* Created and maintained various DevOps related tools for the team such as provisioning scripts, deployment tools and staged virtual environments using Docker.
* Docker Registry and deploy to Docker Swarm Cluster using Ansible.
* Extensively worked on using Chef Attributes, Chef Templates, Chef Recipes, and Chef Files for managing and configurations across various nodes.
* Managed Chef Server in pushing the infrastructure change to client nodes, monitoring the logs and security.
* Designed, implemented, and maintained Continuous Integration (Jenkins) and delivery environments.
* Managed the Maven repository using Nexus tool and used the same to share the snapshots and releases of internal projects.
* Installed Hadoop, Map Reduce, and HDFS and developed multiple MapReduce jobs in PIG and Hive for data cleaning and pre-processing.
* Handle the various platforms like Linux, Windows and GCP for automation purposes at same time.
* Experience in Migrating the Legacy application into GCP Platform
* Responsible for Deploying Artifacts in GCP platform by using Packer.
* Responsible for managing the GCP services such as Compute Engine, App Engine, Cloud Storage, VPC, Load Balancing, BigQuery, Firewalls, and Stack Driver.
* Responsible for managing the Docker orchestration for transferring the data from store database to REDIS cache server.
* Worked on TERRAFORM for provisioning of Environments in GCP platform.
* Worked on GIT (GIT Hub) repositories as Distributed Version Control System.
* Perform day-to-day operation and troubleshooting of VMs and Docker swarm in GCP.
* Extensively worked on integrating GIT into the Continuous Integration (CI) environment along with Jenkins configured the services using modern DevOps tools.
* Performed WebLogic Server administration tasks such as installing, configuring, monitoring and performance tuning on Linux environment.
* Merging release branches back to trunk after the production release and resolving of conflicts during merging in both GIT and Subversion SVN.
* Installed and configured the Apache Tomcat, WebLogic Application servers for Dev and Integration test environments. Automated the process of deployment to Apache Tomcat Application servers by deploying bash Scripts.
* Configured and administered JMS Server, Connection Factory, Topic/Queue, File Store, and Database Store and Distributed Destinations, JDBC Connection Pools, Multi Pools and Data Sources on Web Logic Server.

**Environment:** AWS EC2, S3, RDS, Glacier, Atlassian, ELB, Kubernetes, Windows, Elastic Cache, Redis, Aurora, CloudWatch, SNS, GCP, Ansible, Jenkins, Nagios, Jira, GitLab, RHEL 7.X, Shell, EMR, Bash, PowerShell, Python, Grafana, Tomcat, Git, WebLogic, WebSphere, Groovy.

**Role: AWS Engineer/DevOps Dec 2013 – Nov 2015**

**Client: Zensar Technologies, Pune, India**

**Responsibilities:**

* + Execute weekly deployments in Implementation (IMPL) and Production (PROD) environments.
  + Perform functional testing following deployments using Super putty.
  + Troubleshoot the issues that arise after code deployment and help solve the issue.
  + Coordinating deployment schedules and resources needs with the client and release management using Jira, Confluence.
  + Assist with monthly Linux security patching and performance smoke tests.
  + Developed HPOO flows to automate failover steps for database and App Servers.
  + Involved in Development and Implementation of Continuous Integration (CI) and Continuous Deployment (CD)pipeline involving Jenkins, and Docker containers to complete the automation from commit to deployment.
  + Creating fully automated CI/CD build and deployment infrastructure and processes for multiple projects using Jenkins, Docker, Kubernetes, Helm and GitHub.
  + Worked on DevOps, ANT CI/CD Jenkins pipelines for code build and deployment process.
  + Implemented Yaml Scripts to automate AWS services, including web servers, CloudFront Distribution, database security groups and application configuration.
  + Worked with Cloud services like VPC, Security Groups, EIPs, EC2, Auto Scaling Groups, S3, EBS, EFS Services in AWS.
  + Deployment and Orchestration of applications with use of Kubernetes.
  + Deployment of ConfigMap, Secrets and Volumes on Kubernetes. Manage and Administrate Kubernetes Clusters (create namespace, deploy services, monitor services/pods, etc.).
  + Created and managed Helm charts and releasing Helm packages.
  + Used Kubernetes (RANCHER) to orchestrate the deployment, scaling and management of Docker Containers.
  + Used JIRA as defect tracking system and configure various workflows, customizations, and plugins for Jirabug/issue tracker, Jenkins with JIRA, GitHub.
  + Writing/Debugging Docker files to build Application Docker images & deploying them to Kubernetes by writing Yaml files and by using kubectl CLI.
  + Used Jenkins pipelines to drive all microservices builds out to the Docker registry and then deployed to Kubernetes.
  + Troubleshoot the build issues during the Jenkins build process and developing build and deployment scripts using ANT and MAVEN as build tools in Jenkins to move from one environment to other environments.
  + Implemented one-agent for Dynatrace dashboard environment.
  + Worked on source code Artifactory repository to create/publish/download the artifacts for project deployment.

**Environment:** Amazon Web Services (IAM, S3, EC2, VPC, CloudWatch, Autoscaling, CloudFormation etc.), Git, Chef, Jenkins, Docker Container, Kubernetes, Shell Scripts, Windows Server, Agile, TeamCity, Octopus, Json, Bash, Shell, Python.