**PROFESSIONAL SUMMARY:**

* 12 years of IT Professional experience as DevOps/Cloud Architect, DevSecOps, Cloud (AWS, AZURE & GCP) Management, Build & Release Engineer, SCM Admin and SRE (Site reliability Engineer), deployment management non-production and production environments.
* Possess good understanding of principles and best practices of software configuration management.
* Experienced Configuration Management, Continuous Integration, Continuous Deployment, Release Management and Cloud Implementations.
* Experience working as DevOps Lead to drive the team on motivational working spirit.
* Working experience with Kubernetes objects (Pods, services, Volumes, Namespaces, Deployments, replica sets, Daemon sets) and helm.
* Extensive experience supporting, deploying, and troubleshooting JAVA and .Net based applications like Micro services, Spring boot and Spring cloud applications by containerizing and deploying to various cloud Infrastructures.
* Monitoring tool experience with Nagios, Dynatrace, Prometheus, Datadog, CloudWatch and Grafana.
* Extensively worked on Hudson, Jenkins, Bamboo and practiced POC’s on Harness software delivery platform
* Extensive experience for Orchestration/Containerization tools such as Docker, Kubernetes (k8s), AKS (AWS Kubernetes service) and ACS (AWS container services).
* Developed/Wrote the Ansible playbooks for Automation & Configuration Management for Continuous Deployments.
* Research and resolve issues in regard with scrum/Kanban methodologies / process improvement.
* Experience in building Docker images using GitLab-ci build automation runner.
* Experienced on AWS landing zone multi-account for organization and quickly launched and deploy workloads and applications.
* Hands on Shell Script, Groovy and YAML scripting and knowledge in python & power shell.
* Hands on experienced on SCM migrations and setup SCM(SVN, TFS, Gitlabs) servers and designed branching and workflow strategies for entire project and maintaining versions across various environments.
* Expertise in using build tools like MAVEN and ANT for the building of deployable artifacts such as WAR, JAR and EAR packaging from source code.
* Independent contributor and communicator with business partner to resolve issues and negotiate project related items such as priorities and completion deadlines.
* Ability to learn new skills quickly and capable of working independently and as well as a part of team.

**TECHNICAL SKILLS:**

**Cloud Environment:** AWS, Azure & GCP

**Version Control Tools:** SVN, Bitbucket, Git Lab

**Build Management Tools:** Ant, Maven (3.0.x)

**SDLC:** Agile methodology, Kanban

**Continuous Integrations Tools:** Jenkins, Team city. Rundeck, Haness.

**Scripting:** Shell Script, Ruby, YAML, XML, Python

**IAC language:** Cloud Formation, Terraform, Vagrant

**Configuration Management Tools:** Chef/Ansible

**Databases:** Oracle, MS SQL Server, MongoDB

**Artifact Servers:** Nexus, Jfrog

**Containerization:** Docker, Kubernetes

**Scripting:** Shell Script, Groovy, Python Yaml, Ruby scripts, XML scripts.

**Documentation:** Microsoft Suite, Confluence

**Ticketing Tools:** Jira, ServiceNow

**Webservers:** Apache, Nginx

**Monitoring Tools:** Splunk, Datadog, Dynatrace

**AWS services:** VPC, Rout53, IAM, EC2, S3, ELB, RDS, EBS, NFS AMI, Auto Scaling, CloudWatch, ECS, API Gateway, Elastic Search, AWS Cost, Cloud Trial, EKS, AWS Lambda etc.

**GCP Cloud:** GCP Cloud (Compute, Storage, Network, IAM, VPC, Firewall rules, Load balancer, Cloud Deployment manager) Kubectl, sha256, Autoscaling, Cloud Storage.

**Application Servers:** Tomcat/Jboss, Web Sphere

**Networking:** HAProxy, Ingress Controller HTTP, SMTP, FTP, TCP/IP, UDP

**Virtual services:** Oracle VB, VMware, Vagrant

**Operating Systems:** Rhel, Window, Linux/Centos6/7, Unix

**EDUCATION & CERTIFICATIONS:**

* Bachelor of Engineering, Information Technology - 2012, JNTUK University, India
* AWS Solution Architect Associate - B4VL8JDDCJ4Q1K31
* Docker certified associate - (Sept/2021 – Sept/2023)
* Certified Agile Explorer by IBM
* Docker Essentials: A Developer Introduction at IBM
* Automation Anywhere RPA Training at IBM
* DevOps Essentials training and certified at IBM
* Cloud Private foundation training at IBM

**PROFESSIONAL EXPERIENCES:**

**Marlabs/UL Solutions, NJ Nov 2022 – Till Date**

**Role: Sr. DevOps / Cloud Engineer**

In this project, Primarily Worked as Cloud/DevOps Engineer, primarily with AWS/Azure based Cloud Deployments and On-Boarding applications to Cloud, Managed BareMetal Kubernetes Deployments and different API Services for Application Requirements with IaaC and Automation Techniques, Agile practices using Jenkins/Azure DevOps, Git Atlassian Stash and Chef/Ansible and Kubernetes. The scope of this project is to provide a Complete Automated Self Service/HA/Resilient Infrastructure Cloud Platform for UL Solutions and Clients.

**Responsibilities:**

* In Dev environment analyze Trivy scan reports to prioritize and categorize vulnerabilities based on severity and potential impact, enabling the team to focus on addressing critical security issues promptly.
* Analyzing the requirements and objectivies of the migration, such as improved collaboration, version control, and branching strategies.
* Maintain comprehensive documentation of Trivy scans, vulnerability findings, and remediation efforts. Generate regular reports summarizing the security status and improvements achieved through vulnerability management.
* Developing a migration plan, including timelines, resoutce allocation, and potential risks.
* Worked on Spring Frameworks and supporting for deployments into non-prod & prod environments.
* Integrated Containerized Application CI/CD Pipelines, Docker Build Templates using Azure DevOps Pipelines with Jobs and Stages deployed with Helm Charts to ACR and AKS Clusters.
* Collaborating with the infrastructure team to ensure proper Git server setup and connectivity.
* Working on Terraform modules and templates to automate the Azure IaaS virtual machines using terraform modules and deployed virtual machine scale sets in production environment.
* Working Terraform environments for installation docker containers into EKS.
* Migrationg the TFS codebase to Git, including branches, history, and associated metadata.
* Managing and resolving of the migrated codebase and conducting throough testing to ensure functionality is retained.
* Implimented GitHub actions and closed to working at security volnerbilities along with migrated 60+ repositories from TFS to GitHub
* Working on PowerShell script for implemented Automation of TFS changes to GitHub.
* Creating comprehensive documentation and guidelines for using Git, including branching strategies, code review process and CI/CD integration.
* Implemented cluster services using docker and AWS kubernetes services(EKS) to manage local deployments in kubernetes by building a self-hosted K8’s cluster using Jenkins CI/CD pipelines.
* Implemented Pod security policies (PSP) in AWS S3 for required best practices and the ability to control what pods to be controlled, scheduled in EKS cluster prevents some possible secutiry vulnerabilities or privilege Esaclations.
* Implemented HTTPS Ingress controller and use TLS Certificate on EKS to provide reverse proxy, configurable traffic routing for individual kubernetes services.
* Written Templates for AWS infrastructure as a code using Terraform to build staging and production environments and defined Terraform modules such as compute, Network, Operations and users to reuse in defferent environments.
* Used terraform to write infrastructure as code and create Terrafrom scripts for Ec2 installces, Elastic Load balancers and S3 buckets.
* Designed and developed Micro Services business components using Spring Boot.
* Enabled security on pipelines and sent Notfications automatically. Managing source code repostiries using Git withn Azure DevOps.
* Setting up application monitoring and logging using Azure Monitor and Application Insights.
* Analyzing performance metrics and logs to identify bottlenecks, errors, and areas for optimization.

**Environment:** TFS, AWS, Azure, GitHub Actions, CodeQl, Trivy, SAST, DAST, YAML, AWS, kubernetes, snyk, PowerShell, Ruby, Windows,AWS EKS, Jira, Sonar Qube, Docker, Jenkins, Salesforce, YAML, TFS, GitLab.

**IBM/Discover (DFS), Pune, INDIA Dec 2021 – Oct 2022**

**Role: Sr. DevOps Tech lead /AWS Developer**

In this project, primarily worked as DevOps Engineer, Responsible for Collaboration with Scrum/Application developers for CI/CD Practices, Chef infrastructure for automation, Configuration management of both Physical/Virtual/Cloud environments with IaaC Practices. Worked with development teams closely to setup the AWS environment on demand, install and configure the development infrastructure like Apache Http, Tomcat, Web applications, Docker Environments, Continuous Integration, and deployment tools as per the requirements. Also worked as a Systems Engineer for deploying and supporting the new and existing Linux.

**Responsibilities:**

* I coordinating with various departments to analyze current operational procedures, identify problems, and leads the design and implementation of enterprise applications
* Responsibilities:
* Coordinate/Lead onshore & Offshore teams for change/release/capacity management to support environments.
* Handling the non-production and production deployments and issues.
* Manage, Scale and Security on AWS, provising customized VPC(Virtual private cloud) and deployed applications by using Cloud Formation templates.
* Solutions provided on SCM automation from TFS to GitHub and implemented GHAS (GitHub Advanced Security).
* Setting GitLab repository and runner for build automation.
* Developed build workflows using Maven, GitLab-CI, Docker and Kubernetes
* Involved analysis, design and developed the Automation scripts for infrastructure deployment in AWS by using Terraform and Ansible playbooks.
* Worked on multi-account framework in AWS and created DEV & STG multi organization level along with security isolation.
* Participated in design and implementation of 10 accounts AWS landing zone-suing AWS account vending machine and automated infrastructure deployment tools. Assisted platform teams to implement transit gateways and cloud security instruments in choice hotels proposed AWS PCI infrastructure in DFS account level
* Troubleshoot operational and application issues and fix them within the SLA.
* Setting up continuous Integration (CI) and deployment (CD) for non-prod and prod environments.
* Building, pushing and pulling docker images and running them on containers and created pods/services in Kubernetes.
* Working on AWS endpoints for Mongo Atlas, Kafka, PostgreSql and supported IAM polices for provisionoing resources.
* Installed RPM packages by using chocolatey and managed Ansible playbooks.
* Developed build and deployment scripts using ANT and MAVEN as build tools in Jenkins to move from one environment to other environments.
* Imported groovy dependency packages and integrated in Jenkins file.
* Setup and managed Cronjob, batch processing and job scheduling by using shell scripts
* Configuring Load Balancing & groups and setup the cluster then deploying an application, on server level.
* Analyzing the log files, taking thread dumps, JVM Dumps and Exception stack traces
* Integrate, configure, deploy and manage centrally provided common cloud services which are IAM, networking, logging, Operating systems, Containers
* Involved Creating multiple Jenkins jobs like freestyle, pipeline, and parameterized jobs. Creating master and slave configuration in Jenkins and administration of the Jenkins.
* Educating and training new team members in the team.

**Environment:** AWS Cloud (EC2, EKS, S3, VPC, IAM, firewall rules, Cloud build, Etc.) AWS landing zone, Bitbucket, Jira, IIS, Git-Lab (CI/CD), Redhat, Nexus, Spring boot, Jenkins, Synk, Shell Scripting, Ansible, Yaml scripts, WebSphere, Python, Docker, Kubernetes, Tomcat, Oracle, MySQL, Terraform.

**IBM/Barclays,Pune, INDIA Jan 2021 – Nov 2021**

**Role: Sr. DevOps Tech lead**

**Responsibilities:**

* Worked in highly collaborative operations team to stream line the process of implementing security confidential AWS cloud environment and introduced best practices for remediation
* Build the AWS infrastructure from the scratch for the Project, developed cloud formation templates then ran the stack files from AWS CLI.
* Working on EC2 instances integrated customized AMI’s as per the client polcies and creating tagging standards for proper identification and ownership of AWS resources.
* Gathering the requirements from the clients about FIR(Financial invester) flows and integrated flows in AWS and DevOps tool.
* Used BOTO 3 and fabric for launching and deploying instances and S3 buckets along with configured SSE-S3
* Worked on Blue/green deployment strategy by creating new applications which are identical to the existing production environments using CloudFormation templates & Route53.
* Integrated GitHub tool in Visual Studio code and helped to the team to resolve the code conflicts.
* Wrote Ansible playbooks with python SSH as the wrapper to manage configuration of Test playbooks on AWS instances.

**Environment:** Java, AWS, Python, Bitbucket, VS code 2022, PowerShell, Azure DevOps, Docker, Kubernetes, Ansible, Salesforce, Tomcat, Terraform, Jira, Linux, Nexus, Shell Scripting,

**IBM/ONCOR Electric, Nov 2018 – Dec 2020**

**Role: Sr. DevOps & cloud developer**

**Responsibilities:**

* Offered to work in role of DevOps Consultant. In this role, I am responsible for working with Client’s Business Analysts with DevOps culture.
* Responsibilities:
* Design and develop repository templates for ONCOR applications at each project level and configured it in production Bitbucket server and Supporting Bitbucket and code Merging Activities as per Developer Requests from Jira.
* Granting Git role-based access to users on receiving request through JIRA tickets with capability line lead approvals.
* Worked on google cloud platform (GCP) services like compute engine, cloud load balancing, cloud storage, cloud SQL, stack driver monitoring.
* Configuring scripted templates in repository settings for branches workflow as it is followed by ONCOR policies.
* Created projects, VPC’s, subnetwork’s, GKE Clusters for environments QA3, QA9 and prod using terraform created projects VPC’s subnetworks’ s, GKE cluster for environment.
* Used Jenkins to automate everyday builds, testing and deployed in art factory and tomcat servers.

**Environment:** GCP (Compute, Storage, Big data, AI, Big Query, IAM) Bitbucket, Git bash, SourceTree, Jira, Script Runner, Linux, Windows, Ansible, Jfrog, Crucible, SonarQube, Shell Scripting, Docker, Python, Jenkins, Chef Automation.

**Wipro / S&P Global, Pune, INDIA May 2018 – Nov 2018**

**Role: Sr. DevOps Engineer**

**Description:** S&P Global Market Intelligence is a provider of multi-asset class and real-time data, research, news and analytics to institutional investors, investment and commercial banks, investment advisors and wealth managers, corporations, and universities.

**Responsibilities:**

* Maintained password for correct authentication of users and administrators that were stored in Cyber Ark and resolve password issues that may come up from time to time with the administrators and groups/users. Administration, Troubleshoot, and Installation of Cyber Ark security components
* Deploying code to tomcat using RLM (release life cycle management) and promoting code from lower to higher environments
* Setup Datadog dashboards for the monitoring of across on-premises and AWS Instances and configured threshold alarms.
* Designed large scale application architecture (3-tier & 2 tier) for application deployment into cloud environment

**Environment:** Ansible, YAML, Datadog, Jenkins, GitHub, PowerShell, AWS (Amazon web services), Maven, windows, Linux, Jfrog Artifactory, Dynatrace, Datadog.

**Sysgain Information Technologies Aug 2017 – Mar 2018**

**Role: DevOps Engineer**

**Responsibilities:**

* Automate the Infrastructure and application configuration by writing playbooks and configured Load Balancing in AWS environment.
* Launched servers and configured customized services and AMIs, snapshots, VPCs, subnets, load balancers in AWS.
* Working in daily basis code patching and DB patching requests as a SLA based and involved code debugging resolved the issues as a based on SLO agreement.
* Written and update the deployment scripts such as Shell Script and python for the code Automation.
* Involved sprint-based tasks like package versions deployment into lower environments and deployed packages into prod which are approved package versions in STG environment.

**Environment:** Docker Enterprise, OCI cloud, Azure, Terraforms, Jenkins, Maven, NodeJs, Angular Js, Chef Automation, AWS.

**Clic Services PVT.LTD Aug 2015 – April 2017**

**Role: Build & Release Engineer**

**Description:** ClicTest is a Seamless and Loosely coupled Software Testing solution for Test Management, Manual Testing, Automation Testing and Performance Testing.

**Responsibilities:**

* Automated project applications end to end deployments into non prod and productions
* Setup (SDLC) agile methodology, avoid manual deployments and introduced DevOps culture and trained to the team.
* Managed GitHub repositories and access permissions, including branching permissions for Developer requests and tagging. Creating branches and involved merges activities and involved code merge conflicts.
* Coordinate with the Development, Database Administration, QA, and IT Operations teams to ensure there are no resource conflicts.
* Participating in the status meetings for the scrum releases and suggesting the best and optimized methods, implementation for new technologies etc.

**Environment:** SVN, TortoiseSVN, Java, PHP, Mysql-5.7, AWS Cloud, Oracle VB, Nginux, Jenkins, Nexus, Ant Build tool, chef automation, Xampp

**ODA Informatics May 2012 – July 2015**

**Project Name: GPP (Global pay plus)**

**Client: ANZ Bank, Bangalore, India**

**Designation: SCM (Software configuration Engineer)**

**Responsibilities:**

* Working on Jira requests about create a repository according to the branching flows. And added respective users under teams/groups in SVN server.
* Build & deployment support while UAT/TEST/STG environment servers.
* Fixing an issue during code check in/checkout and merge related problems.
* Involved support activities on Chef predefine/ customized cookbooks such as java, tomcat & webserver.
* Conducting or supporting the deployment of software releases into development and test environments, troubleshooting release package, and deployment procedure or environment configuration issues.

**Environment:** SVN(Subversion), Jira, Bugzilla 3.0, Apache spark, MySQL 5.1, bamboo ci server, Rundeck, XAMPP, Centos5/6, Windows servers, ANT, Jenkins, Tomcat, MySQL.