**Name: Krishnan**

**Mobile: +91-6301497948**

**Mail: Krishnan.cs026 @gmail.com Cloud/DevOps Engineer**

**PROFESSIONAL SUMMARY:**

* Over 5+ years of experience in IT of Designing, Development, Integration of DevOps tools, Build Automation, Configuration Management, Build/Release and Delivery Management, CI/CD
* Experience on AWS services like ELB , EC2 , S3 , VPC , NACL's , Cloud Formation, Route 53, Network Connectivity troubleshooting, Hybrid Environments and VPCpeering .
* Experienced in both framework and Cloud Formation to automate AWS environment creation along with the ability to deployment on AWS , using build scripts ( Boto3 and AWSCLI ) and automate solutions using Shell and Python .
* Experience in integrating Jenkins CI tool with build automation tools like ANT, Maven for building of deployable artifacts (JAR, WAR & EAR) from source code.
* Extensive Knowledge and hands-on experience implementing PaaS, IaaS, SaaS style delivery models inside the
* Enterprise (Data center) and in Public Clouds using like AWS, Google Cloud, and Kubernetes etc.
* Experience on Cloud technologies such as AWS and Google Cloud.
* Create clusters in Google Cloud and manage the clusters using Kubernetes(k8s).
* Experienced in App Containerization technology Docker , creating Docker images, Containers, Docker Registry to store images, cloud-based registry Docker Hub, Docker Swarm to manage containers
* Experience in version control tools like Subversion, TFS , GIT , BIT Bucket ,  Perforce Version wherein experienced with tagging, branching on platforms like Linux/Windows and used Source code management client tools like, GITBash , GitHub , GIT - GUI and other CLI applications etc.
* Worked with RedHat Open Shift Container Platform for Docker and Kubernetes, used Kubernetes to manage containerized applications using its nodes, ConfigMaps, node-selector, Services and deployed application containers as Pods.
* Experience in Infrastructure on AWS using IAM , API Gateway, CloudTrail, Cloud Watch, Amazon Simple Queue Service (Amazon SQS), AWS Kinesis, Lambda, NACL, Elastic Beanstalk, Redshift, and CloudFormation.
* Design and implement scalable enterprise monitoring systems by applying continuous integration/delivery concepts.
* Perform maintenance and troubleshooting of our enterprise Redhat OpenShift systems.
* Good knowledge on Azure.
* Work to continuously improve speed, efficiency and scalability of OpenShift systems.
* Expertise in LINUX / UNIX system builds, administration, Installations, Upgrades, Troubleshooting on different distributions such as Ubuntu, CentOS , RHEL .
* Worked with configuring and management tools like Chef ,  Ansible .
* Expertise in developing Recipes, Manifests and Playbooks in Ruby and YAML scripts to automate the environment.

**TECHNICAL SKILLS:**

* **Operating Systems:** Linux (RedHat, CentOS & SUSE),Windows .
* **Cloud platforms:**Amazon Web Services, Google Cloud (GCP).
* **Container Orchestration Tools:**Docker Swarm, Kubernetes, EC2 Container Services, Open Shift
* **Virtualization Platforms:**Oracle VM Virtual Box.
* **Application/Web Servers:**Amazon AWS, Web Logic, Nginx, Send Mail
* **Scripting languages:** Python, Bash/Shell Scripting, PowerShell, YAML.
* **Build Tools:**ANT, Maven.
* **Configuration Management tool:**Ansible, chef.
* **Version Control Tools:**GIT, GITHUB, Bit bucket.
* **Continuous Integration tools:** Hudson, Jenkins.
* **Logging & Monitoring Tools:**Nagios, Splunk, Cloud Watch, ELK.
* **Databases:**MS SQL Server, Oracle, Mongo DB, PostgreSQL, Cassandra.
* **Repository Management:**Nexus, JFrog, Art factory.
* **Networking:**TCP/IP, DHCP, DNS, SNMP, SMTP, Ethernet, NFS, LDAP.

**PROFESSIONAL EXPERIENCE**:

* Working with IBM India Pvt Ltd
* Current Designation: SystemEngineer

**Project#**

* **Name:** Modernized Migration CHIPS Enrolment & Billing (E & B).
* **Client**: Anthem Inc, Richmond, VA, Nov/2017 to till date

**Responsibilities:**

* Worked in container-based technologies like Docker, Kubernetes and OpenShift.
* Point team player on Open Shift for creating new Projects.
* Involved inload balancing and adding them to Routes to be accessible from outside, troubleshooting pods through ssh and logs, modification of Build configs, templates, Image streams, etc.
* Experience in designing a Terraform and deploying it in cloud deployment manager to spin up resources like cloud virtual networks,
* Compute Engines in public and private subnets along with AutoScaler in Google Cloud Platform.
* Set up a GCP Firewall rules in order to allow or deny traffic to and from the VM's instances based on specified
* configuration and used GCP cloud CDN (content delivery network) to deliver content from GCP cache
* locations drastically improving user experience and latency.
* Implemented &maintained the branching, tagging & build/release strategies using SCM tool like GIT.
* Maintained build packages using TeamFoundationServer (TFS) on Linux & Windows platform.
* Using Jenkins to deploy code to Google Cloud, create new namespaces, creating docker images and pushing them to container registry of Google Cloud
* Created additional Docker Slave Nodes for Jenkins using custom Docker Images and pulled them to ECR.
* Worked on all major components of Docker like, Docker Daemon, Hub, Images, Registry, and Swarm.
* Create clusters in Google Cloud and manage the clusters using Kubernetes (k8s).
* Using Jenkins to deploy code to Google Cloud, create new namespaces, creating docker images and pushing them to container registry of Google Cloud
* Created Jenkins jobs to create AWS Infrastructure from GitHub repositories containing Ansible playbooks.
* Involved inCloud Migration services using Cloud formation and Terraform templates.
* Created E1 Test and E2 Test environments for Unit, sanity, functional and performance testing, replicated all applications in Open Shift.
* Created S3 buckets and managed policies for S3 buckets and Utilized S3 bucket and Glacier for Archival storage and backup on AWS.

**Environment**: Amazon Web Services,GCP, Ansible, Docker, Kubernetes, Open shift,

Jenkins, GIT, Python, Shell, TFS, GitHub,Maven. Linux,Windows

**Project#**

* **Name :** ECS Conversion . Feb/ 2015 - Oct/ 2017
* **Client :** Discover Financial Services (United States)

DevOps Engineer

**Responsibilities:**

* Implemented &maintained the branching, tagging & build/release strategies using SCM tool like GIT .
* Experience in writing ansible scripts.
* Created Jenkins jobs to create AWS Infrastructure from GitHub repositories containing Ansible playbooks.
* Used PowerShell for DevOps in Windows-based systems.
* Work in and on the build and deployment environments to facilitate continuous integration
* Work with the development team to quickly identify root causes
* Track your work in configuration management (including Perforce and GitHub)
* Developed GIT hooks for the local repository, code commit andremote repository, code push functionality and worked on the GITHub.Used Ansible for configure tomcat servers and maintain.
* Worked on Virtualization of build and SCM environments
* Worked in DevOps group running Jenkins in a Docker container with EC2 slaves in Amazon AWS cloud configuration
* Collaborate with development/test teams to design, build, and deploy an automated platform.
* build packages using TeamFoundationServer (TFS) on Linux & Windows platform.
* Managed GitHub repositories and permissions, including branching and tagging.
* Worked with the development team to generate deployment profiles (jar, war, ear) using ANT Scripts and Jenkins.

**Environment:** AWS, Jenkins, JIRA,GIT, GITHUB, Bit bucket,TFS,Ansible, ANT,Linux,Windows.

**Education:**

* Bachelor of Science (Computers)