



# Mohan BV

Senior DevOps Engineer

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## Professional Summary:

- ✓ Having around **3+ years of experience** as a **Senior DevOps Engineer**, Support and Maintenance in environments like windows, RedHat Enterprise Linux, Centos and focus on DevOps tools and AWS Cloud Architecture.
- ✓ "Proficient in AWS and its services, including **IAM, VPC, EC2, EBS, S3, ELB, Auto Scaling, Route 53, CloudWatch, SNS, and Lambda**, I have extensive experience in designing customized VPCs, subnets, NAT configurations, and Security groups, ensuring a tailored and secure infrastructure environment."
- ✓ Utilizing multiple EC2 instances, Auto Scaling, Elastic Load Balancer, and AMIs, I meticulously crafted robust, cost-efficient, and fault-tolerant systems, ensuring high availability and reliability."
- ✓ Facilitating interconnectivity with AWS resources located in a different Virtual Private Cloud (VPC) within another geographical region through the implementation of AWS VPC Peering.
- ✓ Configured **S3 buckets** with various life cycle policies to archive the infrequently accessed data to Storage classes based on requirement.
- ✓ Creating alarms in **CloudWatch** service for monitoring the server performance, CPU Utilization, disk usage.
- ✓ Used Amazon **RDS** to create database snapshots and automate backups.
- ✓ I have experience with essential DevOps tools such as **Ansible, Docker, Kubernetes, Git, Jenkins, and Maven**, as well as AWS managed services including EC2, S3, Route 53, ELB, and EBS.
- ✓ I have extensive hands-on experience in creating Jenkins jobs, installing plugins, and configuring distributed builds using the master/slave architecture.
- ✓ Automated deployment of builds to different environments using Jenkins.
- ✓ Automate Deployment using configuration Management & automation tool like **Ansible** to Continuous Deployments.
- ✓ Experienced in utilizing build automation scripting tools like **Maven** to build deployable artifacts (JAR, WAR) from source code.
- ✓ Worked experience in provisioning AWS instances using Infrastructure as Code (IaC) tools like **Terraform**.
- ✓ Experience in using **Tomcat** and Apache web servers for deployments.
- ✓ Experience in **Docker** like creating Docker images, containers, Dockerfile, tagging and publishing to Docker Hub.
- ✓ Setting up Kubernetes using EKS, KOPS and Kubeadm.
- ✓ Configuring Persistent volumes (PVs), PVCs for persistent database environments.
- ✓ Worked on demonsets, configMaps, Secretes, etc.

## Work Experience:

Working as senior system engineer **Hilabs India Pvt Ltd** Bengaluru India, from May 2023 to Aug 2023

Working as Senior ICT Executive in **Sika Interplant Systems Ltd** Bengaluru India, from March 2018 to May 2023.

Desktop support engineer **Symmetrix Computers Pvt Ltd**, Bengaluru India, from June 2015- Mar 2018

## Technical/ Functional Summary:

Operating systems	RHEL6.7, Centos 7, Amazon Linux 2
Version Control Tools	GIT
CI/CD tools	Jenkins
Provisioning tool/Infrastructure as Code	Terraform
Configuration Management Tools	Ansible
Containerization & Orchestration Tool	Docker, Kubernetes, Docker Compose
Scripting languages	Bash Shell Scripting
Application server	Apache Tomcat,
Build Tools	Maven, Gradle, Ant
Cloud Platform	Amazon Web Services: Elastic Compute Cloud (EC2), Simple Storage Services (S3), Route 53, Cloud Front, Virtual Private Cloud (VPC), Elastic Load Balancer (ELB), Auto-Scaling, IAM Roles

## Roles & Responsibilities:

- ✓ Used **Git** Hub repository to run **Jenkins** job for Continuous Integration.
- ✓ Installing and Configuring Jenkins, installing plug-in, configuring security, creating a master and slaves for implementation of multiple parallel builds.
- ✓ Designed and documented CI/CD tools configuration management.
- ✓ Managing the working environments through configuration management tool **Ansible**.
- ✓ Working on **Ansible Playbooks** to bring the required infrastructure changes.
- ✓ Automated deployment of builds to different environments using **Jenkins**.
- ✓ Experience in **Docker** like creating Docker images, containers, Docker files, tagging and pushing to Docker Hub.
- ✓ Created and managed multiple containers using **Kubernetes**. And creating deployments using Yaml code.
- ✓ Performing regular tasks, such as cloning repositories, pulling updates, creating branches, and merging changes, is essential for maintaining an efficient and collaborative software development workflow.
- ✓ Responsible for creating Artifacts using **Maven** and deploying those artifacts into **Tomcat application Server**.
- ✓ Setting up **EC2 instances** and prerequisites on the instances for deploying the applications.
- ✓ Designing and deploying **AWS** solutions using EC2, S3, Elastic Load balancer (ELB), auto scaling groups.
- ✓ Provisioning of AWS instances using **Terraform** and creating modules to create infrastructure of aws.
- ✓ Experienced on writing JSON code for creating infrastructure.
- ✓ Experienced in creating multiple **VPCs**, both public and private subnets, as per project requirements, and successfully established connectivity to AWS resources in a different VPC located in another region through AWS **VPC Peering**.

- ✓ Used security groups, network **ACL's**, internet gateways and route tables to ensure a secure zone for organization.
- ✓ Launching Amazon EC2 cloud instances using Amazon Web Services and configuring them to meet specific application requirements.
- ✓ Defined **AWS Security Groups** which acted as virtual firewalls that controlled the traffic allowed reaching one or more AWS EC2 instances.
- ✓ I have created **S3 buckets**, managed access policies for these buckets, and effectively utilized both S3 bucket and Glacier for storage and backup purposes on AWS.
- ✓ I have employed **CloudWatch** to establish alarms for notifications and automated actions, as well as to monitor logs, enhancing system understanding and operational efficiency.
- ✓ Strong working knowledge on **GIT**.
- ✓ Installed and configured **Nexus** artifact repository for sharing artifacts between internal teams.
- ✓ Used Maven dependency management system to deploy both SNAPSHOT and RELEASE artifacts to **Nexus**, enabling the sharing of artifacts across multiple projects.
- ✓ Configured and managed Git plugins in **Jenkins CI/CD** like GitHub, Maven Integration, Publish Over SSHVersion etc..
- ✓ Responsible for configuring the slave nodes in **Jenkins**.

#### **Educational Qualification:**

Master of computer application – backlogs | Administrative Management collage, Bengaluru University 2013-2015

Bachelor of business management | Govt First Grade Collage | KR Puram, Bengaluru 2009-2012