

Nitesh K

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## Overview

I have **6+** years of professional experience in **GCP & Azure** and **DevOps** configuration management tools which include Project Setup, Build Automation, Continuous Integration, Container Orchestration, and CI/CD workflow.

## Professional Summary

- Experience as a DevOps Engineer involved in SCM, Build, and release activities.
- Working experience with Continuous integration using **Gitlab**, **Maven**, and **Jenkins**.
- Extensive hands-on experience with **Jenkins**, for Continuous Integration and end-to-end automation tools for deploying.
- **Autosys Job Scheduling** Expertise in designing, implementing, and managing batch job schedules using Autosys. **"Autosys Automation"** Proficient in automating business workflows and processes by creating and managing Autosys jobs (both standard and parallel).
- **Job Dependency Management:** In-depth knowledge of setting up job dependencies and conditional execution in Autosys.
- Experience in Container Orchestration tools like **Kubernetes Cluster Services** and **Docker Swarm**.
- Extensively worked on **Docker**, creating **docker images** and **docker containers**.
- Good Experience in writing the **Dockerfile**.
- Hands-on experience with version control tools like **GITLAB**.
- Hands-on experience in automating build process using **Jenkins CI** Tool.
- Administration and creation of Individual **Jenkins jobs**, including automatic generation, reporting and alerting of build failures, and build status indicators.
- Experience on Application Server **Apache Tomcat**.
- Experience on Build Tool **Maven**, and Repository Manager **Nexus**.
- Experience in Configuration management tools like **ANSIBLE**.
- Experience in writing **Ansible playbook**.
- Experience in using **JIRA** for project and task management.
- Application Deployment and environment configuration using **Ansible**. Responsible for the creation and management of **Ansible Playbooks**. ○ Integrated CI/CD workflows with **SonarQube** for static code analysis.
- Integrated Jenkins with Nexus for storing artifacts and Docker Images.
- Experience in automating the infrastructure in **GCP** using **Terraform**.
- Good work experience in **end-to-end Building, deploying, and configuration processes**.
- Having experience using Maven as a build tool for building deployable artifacts from source code.
- Managed cloud instances via cloud watch monitoring tool and actioned the alerts accordingly.

## Educational Qualification

- Bachelor of Engineering from Andhra University (Mechanical Engineering), Andhra Pradesh in the year 2018.

## Professional Experience

- Working as a Sr DevOps Engineer (Lead) at Value labs Pvt Ltd, Bangalore from March 2024 to date
- Worked as a Sr DevOps Engineer (DEVOPS) at Flipkart India LTD, Bangalore from Feb 2023 to March 2024
- Worked as a Software Technologies (DEVOPS) at Deloitte India LTD, Bangalore from Apr 2022 to Feb 2023
- Worked as a Software Technologies (DEVOPS) at persistent systems, Pune from Dec 2018 to Apr 2022

Technical Skills:

Operating Systems	Linux, Windows
Version Control Tools	GITLAB, GITHUB

Build Management Tools	Maven
Scripting Languages	Shell script, Python
Application Servers	Apache Tomcat, JBoss
Continuous Integration Tools	Jenkins
Tracking tools	Jira, Service Now
Web servers	Apache
Tools	SonarQube
Containerization tool	Docker
Monitoring Tool	CloudWatch
Cloud Services	GCP, AZURE, AWS.
Container Orchestration	Kubernetes, Docker swarm
Configuration Tools	Ansible

Project Details:

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## **Project#01**

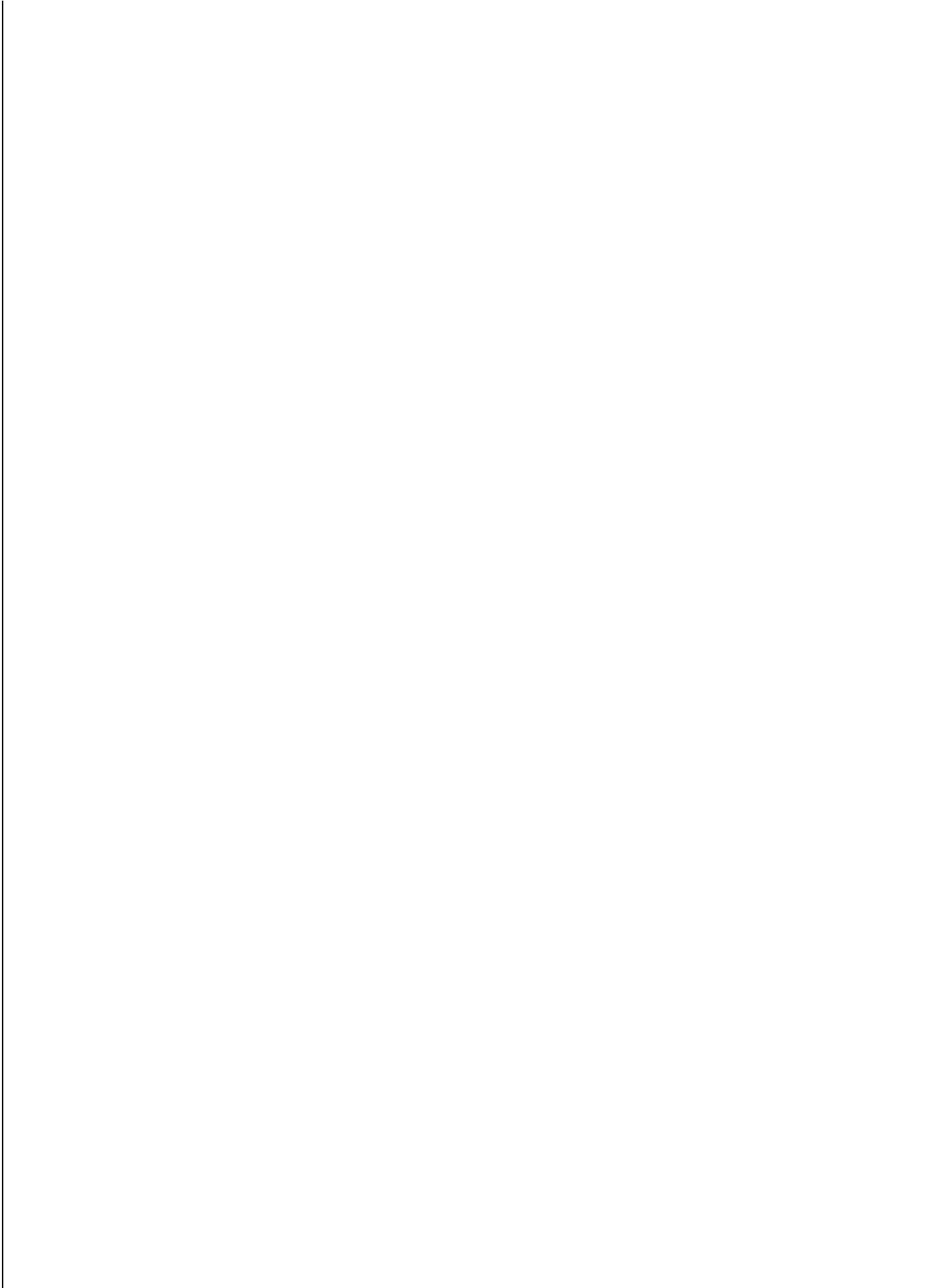
Organization: Valuelabs

Role: AWS DEVOPS ENGINEER Duration:  
March 2024 to Till.

### **Roles and Responsibilities:**

- Used VM container service to implement **Docker** to build and deploy files Worked at **optimizing volumes** and **Compute instances** and created multiple VPC instances.
- Experience working with **IAM** to **create new accounts, roles, and groups**.
- Experience in **creating alarms** and **notifications for compute** instances using **Cloud Watch**.
- Experience involving **configuring storage versioning** and lifecycle policies to and backup files and archive files in Glacier.
- **Autosys Scripting** Experience writing and maintaining scripts for scheduling and managing jobs, including JIL scripting and shell scripting.
- **Error Handling & Troubleshooting** Skilled in diagnosing and resolving job failures, performing root cause analysis, and implementing corrective actions.
- **Integration with Other Tools** Hands-on experience integrating Autosys with monitoring tools and other enterprise applications for seamless workflow management.
- **Job Monitoring** Proficient in monitoring job statuses and handling logs to ensure smooth execution and minimizing downtime.
- **Job Scheduling Optimization** Expertise in optimizing job execution times and resources to improve overall system performance and reduce delays.
- Setting up the new build environment for various applications in Windows/Linux environment.
- Building/Maintaining Docker container clusters managed by **Kubernetes**.
- Implemented a CI/CD pipeline involving **Gitlab**, Jenkins, Ansible, and **Docker, Kubernetes** to complete the automation from commit to Deployment.
- Administrator and Architect of Cloud Platforms (GCP). Configured an **GCP Virtual Private Cloud (VPC)** and Database Subnet Group for the isolation of resources within the **Oracle DB cluster**.
- Experience working on **User admin groups, maintaining accounts**, and monitoring system performance using **Nagios**.
- Participated in configuring and monitoring distributed and multiple platform servers using **Puppet**. Used Puppet server and workstation to manage and configure nodes.
- Experience in writing **Puppet manifests** to automate the configuration of a broad range of services.
- Experience in managing **virtual instances** and **disks using Puppet**.
- **Deployed Puppet, Puppet dashboard** for configuration management to existing infrastructure

Used the **Docker** files to build, ship, and run distributed as a part of Cloud Build Used **Jenkins** for continuous deployment and





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○ integration of the **build and release** process.

Used **TFS** for the version Controlling/ source code controlling. Worked on **power DNS** on the AWS cloud and maintained it with the MYSQL database.

### Project #02:

Project Name: Flipkart

Duration: Feb 2023 to March 2024

Role: DevOps Engineer

### Description:

**Ditech** Financial LLC is a provider of home loans, loan servicing and refinance products to customers and Institutional partners in the U.S. Ditech launched a co-branding and joint-venture initiative with more than 600 institutional partners that provide mortgage and refinance loans to their customers. The strategy encompasses direct consumer lending and correspondent lending. Institutional partners can price, lock, and deliver individual loans through the Ditech website.

### Roles and Responsibilities:

- Setting up the new build environment for various applications in Windows/Linux environment.
- Created best practices for branching and merging Strategy to maintain the source code in the **GitLab** version Control Systems and Enabled the required **plug-in** in Jenkins.
- Responsible for creating the **Jenkins pipeline** for automation job creation.
- Configuration of Build Automation tools and Continuous Integration concepts by using tools like **Gitlab, Maven, and Jenkins**.
- Involved in creating Docker Containers, and images & taking back-up of images in **Docker-Hub**.
- Building/Maintaining Docker container clusters managed by **Kubernetes**.
- Automation of cloud infrastructure using **Ansible and Terraform**.
- Extensive knowledge in troubleshooting builds, deployment, and configuration problems in development, **QA**, and production environments.
- Generate Sonar reports for all projects
- Deploy and monitor **Tomcat**, JBoss Enterprise Application, and web servers.
- Identify unexpected exceptions and determine whether they are application or server exceptions.

### Project #03:

Organization : Deloitte India PVT LTD

Duration : FEB 2018 to Dec 2019

Designation : AWS Engineer Roles and Responsibilities:

- Implemented and maintained monitoring and alerting of production and corporate servers Such as VM and storage such as S3 buckets using AWS Cloud Watch. Involved in automated deployment of VM instances in data centers and availability zones.
- Used security groups to develop a logical firewall to ensure high security for control applications.
- Building/Maintaining Docker container clusters managed by **Kubernetes**.
- Used Amazon IAM to grant fine access to AWS resources to users. Also, manage roles and permissions of users to AWS accounts through IAM.
- Used Cloud Front to deliver content from AWS edge locations to users, allowing for further reduction of load on front-end servers.
- Set up Auto Scaling Groups based on memory and CPU to adapt to unforeseen spikes without having an outage or needing manual intervention.
- Set up Elastic Load Balancers for different applications to ensure high availability of applications. ○ Used Amazon S3 to backup database instances periodically to save snapshots of data.

- Used Amazon Route53 to manage DNS zones and also give public DNS names to elastic load balancers ip's. ○  
Used Cloud Watch logs to move application logs to S3 and create alarms raised by applications.

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Configured an AWS Virtual Private Cloud (VPC) and Data Base subnet group for isolation of resources within AWS RDS.





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- Used Amazon RDS Multi-AZ for automatic failover and high availability at the database tier for MYSQL workloads.
- Configured S3 Versioning and Life Cycle Policies to backup files and archive files in Glacier. To design high-availability applications on AWS across Availability Zones and availability regions.
- Developed and supported the Red Hat Enterprise Linux-based infrastructure in the cloud environment. Worked with Chef in AWS Cloud environment.

#### Project #04:

Organization : persistent Systems  
 Duration : Dec 2018 to Apr 2022  
 Role : DevOps/AWS Engineer

#### Roles and Responsibilities:

- Set up and maintain log monitoring using Elastic Search, Log Stash, and Kibana.
- Responsible for creating the VM instances and machines in the AWS cloud for the development set of the machines for quick integration and deployment into development and QA.
- Implemented AWS solutions using VM, S3, RDS, EBS, Elastic Load Balancer, and Auto Scaling groups.
- Creating/Managing AMI/Snapshots/Volumes, Upgrade/downgrade AWS resources (CPU, Memory, EBS)
- Infrastructure development on AWS using various services like VM, S3, RDS, Route 53, Cloud Front, Cloud Watch, IAM, VPC, etc.
- Set up and managed backup and recovery using snapshot.
- Responsible for creating new projects, building and deployment setup using Jenkins.
- Configured Jenkins using plugins automated pipeline for Java-based projects.
- Created build slaves, configured and maintained build jobs for build automation and release process in Jenkins and Team City.
- Worked with development teams and testing team to establish a build schedule, execute the builds, and troubleshoot build failures automated the continuous integration and deployment systems using Jenkins and Ansible.
- Created Ansible playbooks to automatically install packages from a repository, to change the configuration of remotely configured machines, and deploy new builds.
- Responsible for creating containers using Docker, Container Orchestration using Docker Swarm and Docker Compose.
- Set up and maintain system monitoring using Nagios.
- Helped the project in creating the company's DevOps strategy in a mixed environment of Linux servers along with creating and implementing a cloud strategy based on Amazon Web Services.
- Documented the entire installation process for various tools and provided on-call support.
- Responsible for the design and maintenance of the GIT Repositories and performed all necessary day-to-day GIT support for different projects.
- Building/Maintaining Docker container clusters managed by **Kubernetes**.
- Hands-on with Ansible to deploy automated tasks to many servers at once.
- Created and Implemented branching & merging strategy with multiple branches.
- Good Hands on with Terraform and CloudFormation.
- Involved in periodic archiving and storage of the source code for disaster recovery.
- Integrated GIT into Jenkins to automate the code check-out process.
- Experience in writing Shell and Groovy scripting for automating tasks in Jenkins.
- Worked on AWS Elastic Beanstalk for fast deploying of various applications
- Coordinate with the developer team to write/modify Ansible Playbooks for automation using Ansible.
- Creating multiple VPC's and public, and private subnets as per requirement and distributing them as groups into various availability zones of the VPC.
- Installed and administered various tools like Jenkins, Gitlab, Docker, Ansible, and Artifactory and executed maintenance tasks such as creating users and groups.

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  - Helped the project in creating the company's DevOps strategy in a mixed environment of Linux servers along with creating and implementing a cloud strategy based on Amazon Web Services.
  - Documented the entire installation process for various tools and provided on-call support.

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Implemented a CI/CD pipeline involving Git, Jenkins, Ansible, and Docker to complete the automation from commit to





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Deployment.

Good Hands on with Terraform and CloudFormation.

- Responsible for the design and maintenance of the GIT Repositories and performed all necessary day-to-day GIT support for different projects.
- Used MAVEN as a build tool on Java projects for the development of build artifacts on the source code and build Projects using Maven.
- Hands-on with Ansible to deploy automated tasks to many servers at once.
- Created and Implemented branching & merging strategy with multiple branches.
- Involved in periodic archiving and storage of the source code for disaster recovery.
- Integrated GIT into Jenkins to automate the code check-out process.
- Experience in writing Shell and Groovy scripting for automating tasks in Jenkins. ● Worked on AWS Elastic Beanstalk for fast deploying of various applications
- Coordinated with the developer team to overwrite/modify Ansible Playbooks for automation using Ansible.
- Creating multiple VPC's and public, and private subnets as per requirement and distributing them as groups into various availability zones of the VPC. ● Configured security group for VM
- Created S3 backups using versioning enable and moved objects to Amazon Glacier for archiving purposes.
- Involved in building security models, VPC, and Elastic IP for databases on the Cloud platform.
- Automated the build and release management process including monitoring changes between releases.
- Hands-on experience with JIRA for creating bug tickets, and workflows, pulling reports from the dashboard, and creating and planning sprints.
- Worked with globally distributed agile teams and delivered security software to reduce risk throughout the software lifecycle.

**Personal Details:**

Date of birth:	09/July/1995
Gender:	Male
Marital Status:	Married
Language Known:	English, Hindi, Kannada & Telugu
Location:	Bangalore

