

Omkar H L
Senior DevOps Engineer

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Professional Profile:

Having 4.3 years of experience in software configuration management which includes source code management, build infrastructure setup, continuous integration and continuous deployment, amazon web services as a DevOps Engineer for different application releases and distributed environments for agile development projects.

Area of Expertise:

- Total 4.3 years of experience in those 4 years of experience as Cloud & DevOps support engineer.
- Experience on Installation of tools like GitHub, Jenkins, Maven, SonarQube, Nexus, Docker, and Tomcat in Linux environment.
- Implemented multiple CI/CD pipelines as a part of DevOps role for on-premises and cloudbased software using Jenkins, Ansible, AWS, Azure DevOps, Docker, and Kubernetes.
- Experience in Administration of source control management systems, such as GitHub & Bitbucket.
- Extensively worked on Jenkins for continuous integration and for End-to-End automation for all build and deployments.
- Good experience writing Jenkins & Bitbucket Pipelines Script for CI/CD process.
- Extensive experience using Maven as build tool for the building of deployable artifact (jar, war, ear & Docker images) from the source code.
- Debugging issues if there is any failure in broken Jenkins build and maintaining Jenkins build pipeline.
- Creating new Build jobs, Plugins installation and management, setting up Master/slaves using Jenkins.
- Good Experience in writing shell scripts to automate the several activities.
- Good experience in Containerizing applications with Docker.
- Good work experience in CI/CD Pipeline workflow of Docker.
- Hands on experience in Container Orchestration or Management tools like Docker swarm and Kubernetes.
- Experienced in setting up the EKS Kubernetes cluster setup on AWS Cloud.
- Amazon Web Services (knowledge in AWS services like EC2, S3, VPC, ELB, AMI, Auto scaling, Load balancing, Cloud Watch, Cloud Front, Web Acl's. ECS).
- Having experience on code review tools like SonarQube.
- Primary responsibilities include Build and Deployment of the java applications onto different Environments like Dev, QA, pre-Prod, UAT and Prod.
- Learning and adapting new technologies, tools and a good team player working with project Managers, Team Leads, Developers, Testers.

TECHNICAL SKILLS	
CI/Build Tools	Jenkins, Bitbucket pipelines, Maven
Containerization Tools	Docker, Docker Swarm (Knowledge on Kubernetes)
Version Control	GIT, GitHub, Bitbucket
Cloud	AWS, (Knowledge on Azure)
Scripting Languages	Shell Scripting, Python scripting, Knowledge on power shell
Monitoring/Management	Data Dog, cloud watch, Nagios Web/App
Server	Apache Tomcat, J Boss

EDUCATION

Completed Bachelor of Engineering from R L Jalappa Institute of Technology– 2020 | India.

PROFESSIONAL EXPERIENCE:

Working as a Senior DevOps Engineer under the organization RANDSTAD INDIA PVT LTD from 2020 to till date.

Project 1: Converge Health

Senior DevOps Engineer

Jan 2024 – Till Date

Summary:

Converge HEALTH creates new health ecosystems to enable the future of health by combining next generation platforms, deep industry experience and novel collaboration models.

Roles & Responsibilities:

- **Jenkins continuous integration** server installation and configuration for all **GitHub Repositories**.
- Automating the Build process using **GitHub** and **Maven**.
- Used Maven for building the artifacts and administered the Maven Build scripts.
- Configured **GitHub** with **Jenkins** and scheduled jobs using **Poll SCM** option.
- Automated application packaging and deployments.
- Automated the Build Process using Jenkins and handled complete Build and Release process including code, documentation and supporting testing team along with the server Administration.
- Uploading the artifacts in **Nexus repository**.
- Configuring the **Docker containers** and creating Docker file for different environments.
- Experience working with **Docker container**, created and managed a Docker deployment pipeline for custom application images in the cloud using Jenkins.
- Extensive experience with containerization and related technologies like Docker and Kubernetes.
- Used **Ansible as Configuration management tool** to automate repetitive task.
- Used **Docker, Kubernetes** to manage micro services for development of continuous integration and continuous delivery.
- Good knowledge on Kubernetes deployment using Jenkins and **Ansible playbooks**.

- Automating build process used for Java, Middleware applications using tools / automation framework like Jenkins.

Project 2: My Clinic Connect

Bangalore

Devops Engineer

May 2023 – Dec 2023

Summary:

- Proficient in leveraging Terraform scripts to design and deploy diverse cloud-based resources, encompassing container clusters, databases, load balancing, storage solutions, container registries, content delivery networks, and web application firewalls.
- Hands-on experience in orchestrating containers using ECS (Elastic Container Service) to ensure efficient and scalable application deployment.
- Designed and **deployed RDS PostgreSQL databases**, ensuring optimal performance, security, and reliability.
- Implemented CloudFront for fast and secure content delivery, optimizing the user experience.
- Developed and configured **Bitbucket Pipelines** to automate the provisioning of infrastructure and streamline deployment processes.
- Implemented WebACL (Web Application Firewall) to enhance the security posture of web applications.
- Established Bitbucket Pipelines for seamless CI/CD workflows, ensuring reliable and automated deployments.
- Maintained comprehensive documentation detailing infrastructure architecture and deployment processes for team collaboration.
- Experience in leveraging Veracode for **Static Application Security Testing (SAST)& Software Composition Analysis (SCA)** ensuring robust security measures throughout the software development lifecycle.

Project 3: WestlawNext

DevOps Engineer 2022

Oct 2021- April

Summary:

WestlawNext is a useful tool for legal research. It is easy to search here when you have citations to things like regulations, statutes, or cases. KeyCite is an additional easy to use tool that lets you see other authority or explanatory materials.

Roles & Responsibilities:

- Installed, configured, and administrated redhat servers on **AWS**, includes the design and selection of relevant hardware.
 - Deploying, monitoring apps investigating, troubleshooting, and resolving issues on Project X and Legal Analytics.
 - Setting up and building AWS infrastructure resources such as EC2, VPC, S3, IAM, EBS, Elastic Search, Security Group, Auto Scaling, and Load Balancing.
 - Created IAM users and roles with service based custom policies.
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- Worked on **Amazon web services** by creating, configuration of **Ec2** instances, Virtual machine to configure with elastic IP and worked on firewall and security aspects. Good experience in creating the Ec2 instances using golden AMI's.
- Managed the storage using **Elastic block storage and simple storage service and snapshot configuration.**
- Well versed working experience with **VPC, ELB, Auto Scaling, Cloud Watch, IAM, and S3 cloud services.**
- Deploying applications in Spinnaker using pipelines via Jenkins to the Stage, **UAT & PROD** environments for both regions.
- Configuring security and creating custom IAM roles then attach to the EC2 instances.
- Worked on Branching and Merging using **GitHub.**
- Installing Plugins in Jenkins as per project requirements.

Project 4: eProcurement (GOK)

Linux Administrator

July–2020 – Sept 2021

Summary:

The eProcurement System enables the Tenderers to download the Tender Schedule free of cost and then submit the bids online through this portal.

Roles & Responsibilities:

- Implementing the patches on Linux and windows servers.
- Monitoring system resources, like network, logs, disk usage using Nagios monitoring tool.
- Configure and installed the MySQL, Jboss and Apache tomcat on legacy servers.
- Setting up corn jobs for the application owners to deploy scripts on Staging, QA and Production servers.
- Working on Change Request raised by customer/team and follow up.
- Configuration of FTP and remote applications like SSH, scp, telnet.
- Backup & Restoration by using tar, cpio and dump.
- As per application team execute MySQL scripts and take backup of MySQL dumps.
- Deploy and update Applications in the Jboss& Apache tomcat servers.
- Analysing the logs to resolving application issues while deploying the applications. ➤Deployed different types of servers like Dell iDRAC and HP iLO servers.

Certifications:

- AWS Certified Solution Architect Associate (MLWGZZF192Q4QP3N).
- AZ-104 Microsoft Azure Administrator Associate (I608-5270).