

S Harsha Vardhan

DevOps Engineer

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Summary:

Seeking an amplified and challenging job that utilizes my skills, and where I can express my thoughts and ideas as an individual and group for the growth of the company environment.

Professional Summary:

- Professional with 4.0 years of experience in build and release management, software configuration, and cloud implementation.
- Acquired practical exposure with Continuous Integration/Continuous Delivery tool **Jenkins**.
- Experience on Branching strategies and Tagging concepts in Version Control using **GIT**.
- Experienced in version control and source code management tools like **GIT** and **Maven**
- Worked on various operating systems like **Linux, Ubuntu, and Windows**.
- Installed required Jenkins plug-ins, creating and maintaining Jenkins Jobs.
- Responsible for creating the Jenkins for Automation job creation.
- Integrated the Jenkins pipeline jobs to run the Sanity, Integration and system Test cases.
- Installing, configuring and maintaining Continuous Integration, Automation and Configuration Management tools to support DevOps.
- Configuring the **Docker** containers and creating **Docker Compose files** for different environments.
- Hands on experience in Container Orchestration using **Kubernetes**.
- Performing deployments to multiple environments like Dev, QA & Production environment.
- Installed packages on remote Agent less nodes through **Ansible playbooks** with Ansible roles.
- Wrote Ansible playbooks and securing a server with **Ansible** and Provisioning, deployment with Ansible and Worked on developing Ansible.
- Wrote Ansible playbooks to launch AWS instances and used Ansible to manage web applications, configuration files, used mount points and packages and Worked on playbooks for Ansible in **YAML** scripting
- Ansible playbooks to automate the deployment of the applications to different Pre Prod/ QA Environments.
- Worked on **AWS** services like VPC, IAM, EC2, S3, Route53, Auto Scaling along with a wide and in-depth understanding of each one of them.
- Possess high working qualities with good interpersonal skills, high motivation, fast learner, good team player and very proactive in problem-solving to provide best solutions.

Educational Qualification

➤ **Bachelor of Technology in Electronics and Communication Engineering, 2016**

Bharath University, Chennai, Tamil Nadu with 8.45 CGPA

Professional Experience

- **Working as Software Engineer in Visual IT Solutions Pvt Ltd from April 2017 – till date.**
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TECHNICAL PROFICIENCY

CI/CD Tools	: Jenkins
Configuration Management Tool	: Ansible
Build Tools	: MAVEN
Version Tools	: GIT
Artifactory Management Tool	: Nexus
Containerization Tool	: Docker
Scripting	: SHELL
Methodologies	: Agile
Cloud Tools	: AWS
Atlassian Tools	: JIRA
Infrastructure As Code:	: Terraform
Orchestration Tools	: Kubernetes

Projects Undertaken:

Project #2:

Project	: Excelity ESS Portal (Oct 2018 to Present)
Client	: Excelity
Environment	: Maven, GIT, Jenkins, Shell Scripting, Tomcat, Linux, Ansible, AWS, Docker, Kubernetes

Description:

EHRMS – Excelity ESS Portal is a web enabled integrated HR system that supports all the core HR functions which is used by Excelity onsite clients. Primary goal of this web application is to keep track of employee personal information, leaves & attendance information. The application features will be accessible by the user based on role base defined by the system. This System provides capabilities and features that are critical to the organization with a smart workflow approach ensure efficient and effective management of employees. The system is designed to make life easy for all types of users, with an integrated workflow to support all administrative processes and includes useful guides. Managers and supervisors can more effectively manage their subordinates.

Roles & Responsibilities:

- Setting up the new build environment for various applications in **Windows/Linux** environment.

- Managed to organizational standards by maintaining the source code in **GIT** for various applications.
- Maintains and extends configuration and build sub-systems on **GIT**.
- Creating and maintaining the development and release branches on **GIT**.
- Using **Maven** as a build tool, I could automate the process of building artifacts.
- Implementing **Jenkins** continuous integration tool including installing setting the jobs/plans and setting up the tool for deployment.
- Involved in installing Jenkins on a Linux Machine. And creating a **Master** and **Slave** configuration to implement multiple parallel builds through a build.
- Used **AWS** services like EC2, S3, EBS, Cloud Watch, ELB for building infrastructure.
- Actively monitor and administer the applications and hosting environment to increase efficiency, improve reliability, and minimize downtimes.
- Configuring the **Docker** containers and creating Docker file for different environments.
- Wrote Ansible playbooks and securing a server with Ansible and Provisioning, deployment with Ansible and Worked on developing **Ansible**.
- Working with team on **Kubernetes** integrations
- Managing/Tracking the defects status using **JIRA**.
- Automating the manual process if any, by writing the **Shell** scripts.
- Production environment support activities which include major release or emergency hot fix deployments, scheduling and coordinating with client regarding Operational Job Cycles or any activities.

Project #1:

Project	: Trainer Globe (Jun 2017 to Nov 2018)
Client	: Prism IT Corp, Florida
Environment	: Java, Linux, GIT, MAVEN, Tomcat and Jenkins

Description:

Trainers Globe is a Web based Application provides all forms of electronically supported learning, teaching and Online Bidding. This often involves both out-of-classroom and in-classroom educational experiences via technology, even as advances continue in regard to devices and curriculum. Trainers Globe provides high end quality Internet-Based Training. Trainers Globe is the computer and network-enabled transfer of skills and knowledge. Trainers Globe processes include Web-based learning, computer-based learning, virtual education opportunities and digital collaboration. Content is delivered via the Internet, intranet/extranet, audio or video. It can be self-paced or instructor-led and includes media in the form of text, image, animation, streaming video and audio.

Roles & Responsibilities:

- Maintaining **GIT Repositories**, Handling Releases and Branching activities for GitHub.
- Responsible for Maintaining/Administration of GIT Version control tool. Create branches in GIT & provide access permissions to developers on need basis.

- Resolved issues for developers commit, update, synchronization.
 - Integrated GIT with Jenkins for Continuous Integration process.
 - Performing both manual and automation builds using **Maven** and **Jenkins**.
 - Installing, configuring and administering **Jenkins** CI tool on Linux machines.
 - Worked on installation of **Docker**.
 - Worked on creation of custom Docker container images, tagging and pushing the images.
 - Created Docker images using a **Dockerfile**.
 - Worked on Docker container snapshots, removing images, and managing Docker volumes.
 - Experience working on several **Docker components** like Docker Engine, Docker-Hub, and Docker Registry.
 - Worked on Docker container snapshots, attaching to a running container, removing images and managing containers.
 - Monitor and track requests in **JIRA**.
 - Terminating/Stopping/Creating EC2 instances using **AWS Console**.
 - Creating user accounts for the Dev/QA team using **AWS IAM**.
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