**Surya Bhargav Relli**

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**DevOps with AWS Engineer**

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**CAREER OBJECTIVE**

To work in an environment that provides opportunity to learn key technologies, to be an effective team player in developing, managing project and be an asset for the organization by delivering to the best of my capabilities.

**Profile Summary:**

* Result oriented professional with total 4 Years of experience in **DevOps** Engineer, **AWS** cloud computing, **Linux** Administrator operations.
* Good analytical, programming skills and ability to work well in a team environment.
* Proficient in grasping new technologies and utilizing them in an effective manner.

**Technical Skills:**

**Key skills include:-**

Source controlling version tool : GIT

Deployment Automation tool : Maven,Jenkins

Infrastructure Automation tool : Ansible

Containerization tool : Docker,kubernetes

Application/Web Servers : Apache, Tomcat

Operating System : Ubuntu, RHEL, Windows

Cloud : AWS

**JOB RESPONSIBILITY**

* Deep knowledge of CI (Continuous Integration) and CD (Continuous Deployment) methodologies with **Jenkins.** Extensive Experience in Jenkins master-slave for multi machine builds.
* Well versed in creating Groovy script based Jenkins file for automating multi branch pipeline jobs.
* Build Management – Experience in tools such as **Maven,** for build management.
* Hands on experience with Configuration Management Tools such as **Ansible.**
* Extensive experience using MAVEN as build tools for the building of deployable artifacts (jar, war & ear) from source code.
* Knowledge on Server provisioning tools like Ansible to automate the Configuration Management Activities.
* Hands on experience in creating Ansible Playbooks for cloud automation (AWS) and Application deployment automation.
* Installed and managed Middleware Servers such as Apache &Tomcat through Ansible Configuration management tool.
* Good understanding in creating Ansible playbooks and roles for remote configuration of servers.
* Hands on experience with SCM tools like **Git/GitHub** for branching, tagging and version management.
* Hands on experience in **Linux** Administration (Installation, Configuration & Troubleshooting).
* Proficient in installation, configuration and maintenance of Tomcat server.
* Hands experience on **Amazon EC2** cloud deployments using DevOps tools like Jenkins and Ansible.
* Exposure on Managed Amazon Web Services like **EC2, Elastic Load Balancer, Auto Scaling, S3 buckets, VPC, RDS and IAM.**
* Strong experience in Storage Methodology, Performance monitoring, worked on Monitoring toolsCloud Watch (AWS).
* Extensively used **Docker** for creating the dev and QA environments.
* Good understanding of Docker compose for creating the multi container architecture.
* Well versed in creating Docker customized images using Docker file
* Implemented container orchestration using Docker swarm.
* Performed Load Balancing, Scaling, Performing Rolling Updates and Failover scenarios using **Docker swarm/kubernetes**
* Orchestrated Docker container cluster using **Kubernetes/ Docker swarm**

**PROFESSIONAL EXPERIENCE**

Professional Experience as **Devops with AWS Engineer** in **BSG TECHNOLOGY PVT LTD** from January 2017 to till date.

**Project-1:**

**Project title :** Macy’s online retail store

**Client :** American Multinational Corporation Macy’s Inc

**Role :** DevOps Engineer

**Technologies used :** Git, Jenkins, Maven, Ansible, Docker, Linux, AWS

**DESCRIPTION:**

Macy’s is one of the largest chains of department stores owned by American Multinational Corporation Macy’s Inc. it operates 798 locations in the Unites States. Macy’s online retails store provides its customers to order wide variety of online shopping services. It also has customer support where you can track the status of your consignment, Shipping information and returns.

**Project-2:**

**Project title :** Client Viewer

**Client :** Ameripise,MN,USA

**Role :** DevOps Engineer

**Technologies used :** Git, Jenkins, Maven, Ansible, Docker, Linux,AWS

**Roles & Responsibilities:**

* Software Configuration management (Automate CI & CD pipe using Ansible, Maven, Jenkins & GIT).
* Automate the build and Deployment activities Using Maven, Git and Jenkins.
* Creating CI/CD pipelines by integrating Jenkins with Git, Maven and Tomcat
* Created nodes in Jenkins for load balancing and created user and permission in Jenkins.
* Creating new jobs in Jenkins and managing the build related issues.
* Coordinating with the Development team to fix the Build related issues.
* Installing Plug-in in Jenkins as per project requirements.
* Coordinate/assist developers with establishing and applying appropriate branching, Merging conventions using GIT source control.
* Responsible for design and implementation of policies, branching methodologies.
* Configured and maintained Jenkins to implement the CI process and integrated the tool with Ant and Maven to schedule the builds and automated the deployment on the application servers using the “code deploy” plugin for Jenkins.
* Analyze and resolve conflicts related to merging of source code for GIT.
* Resolved merging issues during rebasing and re-integrating branches by conducting meetings with Development Team Leads
* We work very closely with Developers and Build & Release team. We setup Jenkins server & nodes for build and release team as per request.
* Installing, configuring and maintaining different tool using Configuration Management tools like Ansible.
* Provisioned servers and deployed features using Ansible
* We are recently working on Docker and have successfully setup a Dev & Test environment for Developers and testers by using Dockers build & compose.
* Supported and developed tools for integration, automated testing and release management.
* Responsible for end to end Docker components support.
* Implemented Docker to set up local Development environment
* Setting up the Docker private registry
* Created Docker files and build images and push to the Docker private registry
* Set up the local development environments through Docker containers for new developers
* Launching and configuring of Amazon **EC2 (AWS)** Cloud Servers using **AMI's (Linux/Ubuntu)** and configuring the servers for specified applications.

**Scholastics**

**B Tech** in**Mechanical Engineering**from **JNTU-K**

**Personal Details**

Date of Birth: 10 Jan 1995 Languages Known: English,Telugu And Hindhi Marital Status: Single.