Maisa Venkatesh

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PROFILE SUMMARY:

- **DevOps Engineer** with 3+ years of experience. Capable of demonstrating detailed understanding of **Software configuration Management, Deployments** and cutting edge technology for automation and **Cloud Services**.

- Responsibilities included continuous Build, Test, Deploy and Release management for application, working to various environments.

- Proficiency with Configuration Management & Build management tools such a**s Ansible, AWS, Maven, GIT, Jenkins, Shell Script, and SonarQube, Nexus and Docker.**

- Proficient in designing and implementing automated **CI & CD** pipeline using **Jenkins** tools.

- Performed continuous **Build** and **Deployments** to multiple environments like **Dev, QA and UAT.**

- Expertise with Configure Management Tool **Ansible** and writing playbooks, roles for scalability and reusability.

- Having experience in writing **Ansible Playbooks** to automate the deployment process and to integrating Ansible Playbooks into Jenkins jobs for a continuous delivery framework.

- Working on **Ansible Playbook** and **Roles** to standardize system setup and application deployment, enforced application configuration and security settings, user management.

- Experience working on **Docker hub**, creating **Docker images** and handling multiple images primarily for middleware installations and domain configuration.

- Researched and implemented code coverage using **SonarQube** scanner.

- Expertise in **provisioning, orchestration**, packages, services, configuration and deployment using Ansible.

- Worked extensively in performing Deploy and monitor scalable infrastructure on Amazon web services (**AWS)** & configuration management using **Ansible.**

- Configured **packages**, **services** using **Ansible modules** like yum, service, templates, handlers etc. on AWS cloud and virtual environments.

- Deployed infrastructure on **AWS** utilizing services such as **EC2, EBS, VPC** and managed **Network** and **Security**, **IAM**, **ELB** and **S3.**

- Proven knowledge with AWS services Creating, configuring and Managing **Auto Scaling, and Load Balancer and VPC** services across **AWS Cloud**.

- Created **S3** buckets and managing policies for **S3** buckets**.** Utilized **S3** for Storage and backup on AWS cloud**.**

- Experience on **containerization** tools like **Docker**.

- Experience with container based deployments using **Docker** and familiar with Docker images, Docker hub and Docker registries.

- Expertise in setup, configuring and managing services **Apache, Tomcat, and Nginx** through using automation playbooks and configure these packages.

- Experience on Automate the Build and deploy of all internal **Java** applications to all environments by using **Ansible, Jenkins** and **Shell scripts.**

- Successfully integrated **Nexus Repository** with **Jenkins** for Artifacts storage and downloading Artifacts for deploying it to applications and for testing.

- Knowledge on **Shell Scripting** for automating tasks for regular usage and system operations on various environments.

TECHNICAL SKILLS:

Operating Systems	Linux, UNIX & Windows
Version Control Tools	SVN,GIT,GITHUB
Build Management Tools	Maven
Continuous Code Inspection	SonarQube
Repository Manager	Nexus
Scripting Languages	Shell Scripting
Application Servers	Apache Tomcat
Continuous Integration Tools	Jenkins
Configuration Management Tools	Chef, Ansible
Virtualization Tools	Docker, Kubernetes
Cloud Technologies	AWS, Terraform

EDUCATIONAL QUALIFICATION:

- **B. Tech** from Abhinav Hi-Tech College of Engineering in 2016.

PROFESSIONAL EXPERIENCE:

- Working as DevOps Engineer at Tech Mahindra from September 2017 to till now.

PROJECT 2:

- **Project**   : **Network Element Management System**

- **Environment**   : **Git, Maven , Jenkins, Docker, Ansible, Kubernetes, Tomcat, Jira, SonarQube, Nexus, Nagios, shell, Terraform,Node.js.**

- **Role**   : **DevOps Engineer**

DESCRIPTION:

The Central Network Element Management System. It provides OAM functionality (Operation, Administration and Maintenance). It provides a system architecture that supports high availability of the whole system i.e. the combination of platform and application. It allows easy integration of new NE types.

RESPONSIBILITIES:

- Used **AWS** to setup application and web servers
- Used **EC2** to setup servers and Installed **Jenkins**
- Used **S3 buckets** for storage and archival.
- Version control tool administration: set up git server, creating new repositories, adding new user to the repositories, creation of new version controlled branches, troubleshooting version control tool errors.
- Hands on experience in AWS provisioning and good knowledge of Terraform **AWS services** like **EC2, S3, Glacier, ELB, RDS, SNS, SQS, IAM, Route 53, VPC, Auto scaling, Cloud Front, Cloud Watch, Cloud Trail, Cloud Formation, Security Groups**.
- Created Branching, Tagging of code delivery at required releases.
- Checking Git logs & Resolving **Git** conflicts issues.
- Launched AWS **EC2** Virtual Servers using **Auto scaling** & prebaked Amazon Machine Images (**AMI**) through Ansible modules & Roles to maintain the production environment all times highly available.
- Creating **Playbooks** in **Ansible** for Configuration and Deployment activities & Installed packages on remote Agent less nodes through **Ansible playbooks** and **Ansible roles**.
- Used **Kubernetes** to deploy scale, load balance, scale and manage **Docker** containers with multiple namespaced versions.
- **Maven** used as build tool to build a source code.
- Creating War/Jar files using **Maven**, Continuous integration using **Jenkins**
- Supported product release management and patch set release.
- Experience in setting up Jenkins from scratch and maintaining it.
- Creating jobs using Jenkins. Manage installations of node, deployment configuration.
- Released builds to complete testing and review, Continuous integration using Jenkins.
- Responsible for installing and administrating the **SonarQube** for code quality check and **Nexus** repository and generating reports for different projects. Also, integrated them into Jenkins.
- Setup and configuring jobs in continuous integration tool Hudson for project builds.
- Configuring the "Crontab" build and deployment.
- Performed Continuous Build and deployments to multiple environments like Dev, QA, and Staging.
- Providing solutions to developers for check-ins, checkouts, build failure related issues.

- Deploy the War files in **Apache Tomcat server**.
- Interacting with developers to sort out issues related to **Build Automation**.
- Configuring **Docker Containers** and Creating **Docker files** for different environments.
- Created Docker images using Docker files to support Containerization of applications.
- Deployed various applications through **Docker containers**.
- Taking care of deployments using **Docker** and **Ansible**.
- Setting-up workstation, Chef Server and managing complete environment.
- Responsible for installing and administrating the **SonarQube** for code quality check and Nexus repository and generating reports for different projects. Also, integrated them into Jenkins.

PROJECT 1:

- **Project**   : **Internet Digital Marketing**
- **Environment**   : **Git, Maven, Jenkins, Apache Tomcat, Jira, Shell**
- **Role**   : **Build & Release Engineer**

DESCRIPTION:

Make sure that your site stands in the top 10 rankings in the top search engines like that of Google, MSN Bing, Yahoo etc. It will help you get the best place in search engine rankings and optimizing your website to get noticed.

RESPONSIBILITIES:

- Created branches and tags using **GIT**.
- Responsible for tagging and maintain code on version control GIT.
- Monitored builds, GIT check-ins and administrated access management.
- Supported product release management and patch set release.
- Responsible for creating Builds and Deployments Plans.
- Creating War files using **Maven**.
- Automate the build and deployment Process Using **Jenkins** jobs.
- Configured **Jenkins jobs, Install plugins** for generating Project artifacts.
- Creating jobs using Jenkins. Manage installations of node, deployment configuration, and administration, backup. etc.,
- Making Application, Reports and Script ready for the Release on time.
- Verify Deployments logs to check for successful deployments.
- Debugging Build & Release related issues.
- Hands on experience on remote tools **SSH** and **SCP**.
- Making build and deployment automation enhancements, fixing bugs.
- Good Interpersonal Skills, team-working attitude, takes initiatives and very proactive in solving problems and providing best solutions.

ENVIRONMENT:
AWS EC2,Terraform, Autoscaling, cloudwatch, S3, SNS, Auto Scalling, Load Balancing VPC, Redhat, Ansible, Apache Tomcat, SonarQube, Nexus Repository, Nagios, Jenkins, Maven, GIT/GitHub,Node.js.