**Madhuker Reddy Badala**

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# PROFESSIONAL SUMMARY

* Having 5**+ years** of Experience in Implementing Organizational **DevOps** strategies in various environments of **Linux** /**Windows** servers in **Agile** methodology along with adapting cloud strategies based on **Amazon Web Services**.
* Expert in Cloud Technologies like Amazon Web Services **(AWS) VPC, EC2, Cloud formation, S3, IAM, RDS, Route 53, Cloud Watch, Dynamo DB** and **Elastic cache.**
* Experience in deploying the scalable, highly available and fault tolerant solutions in AWS cloud infrastructure using the **VPC, EC2, EBS, Auto Scaling, Elastic Load Balancer, Route 53, IAM, Cloud watch, S3, RDS and other AWS services**.
* Experienced in branching, tagging and maintaining the version control across the environments using SCM tools like **GIT**.
* Experienced in administration, maintenance of source control management systems, such as **Sub Version (SVN)** and **GIT**.
* Worked as **GIT** administrator as part of my role and monitored the repository for various issues.
* Provide up-to-date and accurate documentation on the **SCM** environment and process Automation tools.
* Hands on experience with Continuous Integration tools such as JENKINS. Continuous integration (CI) and Continuous delivery (CD) using **Jenkins.**
* Atlassian Administrator: **Bitbucket**, **JIRA**. Managed all the bugs and changes into a production environment using the JIRA tracking tool.
* Continuous deployment using Jenkins on Apache-Tomcat server.
* **SonarQube Administrator**: Continuous inspection of code quality.
* Working knowledge in code quality checking using **sonar**.
* Working experience and solid understanding of Operating systems like Linux, UNIX, and Windows. Operating systems like RHEL.
* Having knowledge using the **Nexus** Artifactory.
* **Storing the compiled binaries or artifacts in** Artifactory Server **like NEXUS repository.**
* Working experience in Continuous Delivery, Infrastructure Automation using **Ansible**.
* Experience in writing **Ansible** playbooks.
* Experience on supporting **Ansible** Environment with multi servers and involved in developing manifests.
* Experience in Managing AWS EC2 instances for **Git, Maven, Jenkins, Docker** and **Ansible**.
* Experience working on several **Docker** components like **Docker Engine, Hub,** creating **Docker images, Compose, Docker Registry**, **Docker Swarm**.
* Experience Working on managing tools like **Prometheus, Splunk** and **ELK stack**.
* Experience with **Terraform/Ansible** and Jenkins, particularly writing **Terraform Plans/Ansible**

playbooks and Jenkins pipelines to automate deployment and maintenance of Linux and Windows application servers

* Using **Helm** chats for deploying in Kubernetes.
* Experience in managing on-prem infrastructure hosted on VMware vSphere
* Installed packages using **YUM** and **Red hat** **Package Manager (RPM)** on various servers. Administered tasks like taking backups, expanding file system disk space.
* Ability to learn and master new technologies and also to deliver outputs in short deadlines.
* Knowledge in load balancing and setting up load balancer and firewall rules in and enterprise environment.
* Provided 24x7 production support and development environments. Ability to communicate requirements effectively to team members and manage applications.

# EDUCATION

* **B.Tech from JAGRUTI INSTITUTE OF ENGINEERING AND TECHNOLOGY. - JNTUH**

# PROFESSIONAL EXPERIENCE

* Worked as a DevOps Engineer with Smartried Technologies from August 2019 to till date.

# IT SKILL SET

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| --- | --- |
| **Operating Systems** | Windows, UNIX and Red Hat Linux |
| **SCM Tools** | GIT and SVN |
| **CI Tools** | Jenkins |
| **Web & Application Servers** | Apache-Tomcat |
| **Scripting** | Shell Scripting, Python |
| **Build Tools** | Terraform |
| **Configuration Management Tools** | Ansible |
| **Virtualization** | Docker, vagrant, VMware. |
| **Cloud** | AWS, EC2, EKS, S3, RDS, DynamoDB, RedShift, Route53, IAM, ALB, SNS & SQS, Kubernetes, Terraform. |
| **Monitoring Tools** | Nagios, Prometheus |
| **Code Analysis Tools** | SonarQube |

**PROJECTS SUMMARY**

**PROJECT #2:**

**PROJECT NAME:** ADM\_CT\_DB dB Palace DevOps

**Roles & Responsibilities:**

* + Co-ordinate with developers with establishing and applying appropriate branching labelling/naming conventions using Git.
  + Build management support using Terraform and Jenkins.
  + Creating EC2 instances, AMIs, Storage blocks in S3, Creating Volume Snapshots, VPCs, Subnets, Load balancing and Auto Scaling in AWS.
  + Configure and maintain codebase to support the build and deployment of code on servers.
  + Administered merge, build and deployment of the codes to all the environments.
  + Developing the utility scripts to effectively reduce the time and manual effort.
  + Analyzing Bugs and coordinating with Dev/QA teams.
  + Helping teams in writing build scripts and resolving build issues.
  + Configured and maintained Jenkins to implement the CI process and integrated the tool with Ant and Terraform to schedule the builds and automated the deployment on the application servers using the “code deploy” plugin for Jenkins.
  + Implemented Continuous Delivery through Deployment into several environments like Test, QA, Performance and Production using Jenkins.
* Launching and configuring Amazon EC2 Servers using AMI and configuring the servers for specified applications using **Jenkins**
  + Running multiple builds at a time by using continuous integration tools
  + Improving Continuous Integration workflow using Virtual Environments with the help of Docker
  + Automating Build process using Docker and similar tools.
  + Managed and monitored the server and network infrastructure using Nagios.
  + Managed and optimized the Continuous Delivery tools like Jenkins.
  + Installed, Configured, Administered Jenkins Continuous Integration Tool.
  + Automated Continuous Build and Deploy Scripts for Jenkins Continuous Integration tool
  + Containerizing applications with Docker. Responsible for managing the Docker private registry.
  + Implemented Docker to set up local Development environment.
  + Worked on Container based tools like Docker
  + Worked on Networking, load balancing, monitoring.
  + Created Docker files and build images and pushed to the Docker private registry.
  + Set up the local development environments through Docker containers for new developers
  + Development of Ansible plays books to manage system configurations.
  + Help Development teams to automate the environment setup using tools like Ansible.
  + Written Ansible playbooks to automate our build/deployment process and do an overall process improvement to any manual processes.

**PROJECT #1:**

**PROJECT NAME:** OMWM - GET WEB Team

**Roles & Responsibilities:**

* Installation, Configuration, Maintenance, experience of source code management systems Subversion (SVN), GIT.
* Worked on branching and tagging using version control tools and closely worked with development teams to perform merging.
* Administration/Maintenance experience of continuous integration build engines using Jenkins
* Experience with build tools utilities like Ant, Terraform
* Experience in Linux server builds and configuration
* Playing the role of Release Engineer by supporting developers for subversion configuration spec creation, branching, and deliveries to the integration branch.
* Worked closely with Developers, QA and project management for smooth scheduled releases.
* Created build.xml, JAR, WAR, EAR Files through Ant.
* Written shell scripts for deployment automation.
* Participated in the application builds and deployments to Dev, QA, STAGE and Prod environments.
* Worked as merge contact from offshore for code merging process.
* Responsible for identifying, troubleshooting and resolving problems with the build process using Jenkins and ensures that the release has been accepted by all parties.
* Participated in Release meetings to finalize Release with developers/QA/Project Management and discuss backup plans.