**Madhuker Reddy Badala**

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# PROFESSIONAL SUMMARY

* Motivated AWS professional with 4+ years of experience in designing, implementing, and managing cloud-based solutions. Seeking a challenging role to utilize my skills and contribute to the success of an organization in leveraging the power of **AWS**
* 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**.
* Worked as **GIT** administrator as part of my role and monitored the repository for various issues.
* Hands on experience with **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**.
* Working experience and solid understanding of Operating systems like **Linux**, 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 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

* 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 AWS Cloud Engineer with the Excelicare, from March 2021 to May 2023.

# IT SKILL SET

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| --- | --- |
| **Operating Systems** | Windows, UNIX and Red Hat Linux |
| **SCM Tools** | GIT |
| **CI Tools** | Jenkins |
| **Web & Application Servers** | Nginx |
| **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. |

**PROJECTS SUMMARY**

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

**Roles & Responsibilities:**

* + Co-ordinate with developers with establishing and applying appropriate branching labelling/naming conventions using **Git**.
  + Designed and implemented AWS architectures for various projects, ensuring **scalability**, **availability**, and **cost optimization**.
  + Created and managed **EC2 instances**, configured **Security groups**, and implemented **auto-scaling policies**.
  + Utilized Amazon **S3** to store and retrieve large amounts of data, implementing data backup and disaster recovery strategies.
  + Developed AWS **Lambda** function using **Python** to automate serverless workflows and improve operational efficiency.
  + Implemented **IAM roles** and **policies** to manage access control and enforce security best practices.
  + Created and Managed **RDS** database instances, optimizing performance and implementing database replication.
  + Utilized **CloudFormation** to provision and manage AWS resources using infrastructure-as-code principles.
  + Monitored AWS resources using **CloudWatch**, set up alarms, and implemented automated scaling based on custom metrics.
  + Worked closely with development teams to deploy and troubleshoot applications in AWS environments.
  + Collaborated with cross-functional teams to identify opportunities for **cost optimization** and implemented solutions to reduce AWS expenses.
  + Worked with development teams to containerize applications using **Docker** and deploy them in **ECS clusters**.
  + Implemented infrastructure automation using **Terraform**, reducing manual efforts and ensuring consistency.
  + Utilized **Route 53** to manage **DNS** records and implement **load balancing** for **high availability**.
  + Collaborated with security teams to implement best practices for **network security**, **encryption**, and **access control**.
  + Conducted regular security audits and vulnerability assessments to ensure compliance with industry standards.
  + Assisted in troubleshooting production issues and provided on-call support for critical incidents.
  + Build management support using Terraform and Jenkins.
  + 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.
  + Implemented Continuous Delivery through Deployment into several environments like Test, QA, Performance and Production using Jenkins.
  + Improving Continuous Integration workflow using Containerization Environments with the help of **Docker**.
  + Automating Build process using Docker and similar tools.
  + Installed, Configured, Administered 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 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.