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| **M Madhu**  **Mobile:** (+91) – **8147460240**  **Email: madhu.devops92@gmail.com** |  |  |  |  |



**Professional Synopsis**

A dynamic DevOps/AWS/GCP/AZURE Engineer having overall 6 years of experience in Information Technology industry as a Build and Release, DevOps Engineer and Cloud Engineer with strong academic background, looking for a platform where I can implement my skills which I have learned with my past experience and can get a chance to gain new skills which will help me to grow in future professionally and personally.

**Experience Summary**

* Having overall 6 years of experience Information Technology industry in various roles with excellent experience in **DevOps Engineer with AWS/GCP/AZURE Cloud Computing/Development** **and Implementation** of Java based web Applications.
* Having experience as a **DevOps and AWS/GCP/AZURE Engineer** which includes environment setup, continuous integration, and continuous deployment.
* I have worked on building the environments of DEV, QA, STG and PROD on majorly GCP and with reasonable experience in AWS.
* Good Hands-on experience on working with terraform to build the infrastructure.
* Proficient in build deployment, build scripts and automated solutions using shell scripting.
* Used Kubernetes to orchestrate the deployment, scaling and management of Docker Containers.
* Setup, attaching and detaching EBS volumes. Setup, managed backup and recovery using Snapshot and Extensive Knowledge on creating AMI Workspaces.
* Expertise in AWS services like EC2, ELB, ECR, Auto Scaling, IAM, S3, VPC, Route53 and Cloud Watch etc.
* Implemented the Highly scalable infrastructure using ELB and Auto Scaling services. Creating Public and private Subnets, Routing tables and Internet Gateway by using VPC.
* Designed and implemented continuous Integration and Continuous deployment pipeline using Jenkins, Node, GitHub, Ansible and Docker and Apache Mesos.
* Educating developers on how to deploy and perform the daily tasks using Jenkins.
* Hands on experience in development of utilities using Shell, JSON and YAML scripting to automate processes.
* Hands on Experience with code repositories like GIT, GitHub and GitHub Actions.
* Working experience with build tools like Maven.
* Extensively used Jenkins for implementing CI & CD.
* Working on developing and enhancing build scripts and tools to improve the efficiency of the developments and its build process.
* Maintaining Continuous Integration, Continuous Delivery and Continuous Deployment in multiple environments like DEV, TEST, MAINT and PROD.

**Education Qualification**

* Post Graduation in 2014 from Yogi Vemana University, Kadapa, Andhra Pradesh, INDIA.

**Professional Experience**

* Currently Working with **Sapient** as a Senior Associate Infrastructure L1 from Jul-2022 to Till Date.
* Worked as a DevOps Engineer for Primus Global Technologies, Bangalore from Mar-2021 to Jul-2022.

**Technical Expertise**

* **Orchestration Tools**  : Docker Swarm, Kubernetes
* **Cloud** : Amazon Web Services, GCP, AZURE
* **CI & CD** : Jenkins, GITHUB ACTIONS, Argo CD, Azure DevOps.
* **IaC Tools**  : Terraform
* **Build tools**  : Maven
* **Version Control** : GIT, GITHUB
* **Containerization**  : Docker
* **Scripting Languages** : Shell scripting, YAML
* **Web and Application Server** : Nginx, Tomcat & Jboss
* **Database**  : MySQL, Oracle
* **Ticketing/Monitoring Tools** : Jira, Grafana & Dynatrace
* **operating system :** Linux
* **Client Utilities :** Winscp, Putty, Firezilla

**Project Details**

**Project: #1**

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| **ASDA Project, Senior Associate Infrastructure L1**  **Description:** The ASDA Project aims to modernize and streamline ASDA's IT infrastructure and software development processes, leveraging Azure for cloud services, Terraform for infrastructure as code (IaC), and Git for version control. Involved in the provisioning of Salesforce environments, majorly focusing on Sales Cloud using Terraform. Additionally, managed the provisioning of ADB2C, PWA environments, and custom functional apps. This approach ensures efficient deployment, scalability, and collaboration across development and operations teams.  **Roles and Responsibilities:**  Automation: Develop and maintain CI/CD pipelines, automation scripts, and infrastructure as code using Terraform.  Infrastructure Management: Manage Azure resources, ensuring scalability and reliability.  Cloud Management: Manage Azure resources and services, ensuring cost-effectiveness and scalability.  Disaster Recovery: Implement and maintain disaster recovery plans using Azure Site Recovery.  Optimization: Continuously optimize systems for performance and efficiency.  Release Planning: Plan and coordinate software releases using Azure DevOps.  Communication: Communicate release plans and status updates to stakeholders.  Documentation: Maintain release documentation and change logs in Git repositories.  **Tools and Technologies:**  Version Control Systems: Git  CI/CD Tools: Azure DevOps (Azure Pipelines, Azure Artifacts)  Containerization: Docker  Monitoring Tools: Azure Monitor, Azure Application Insights  Logging Tools: Azure Log Analytics  IaC Tools: Terraform  Security Tools: Azure Security Center, Azure Active Directory (AAD)  **Project: #2**  **MMS Project, DevOps Engineer** |
| **Description:** As a DevOps Engineer at MediamarktSaturn, I have driven technological excellence by leveraging a dynamic tech stack and implementing innovative solutions. I have customized infrastructure on the Google Cloud Platform, led the implementation of Kubernetes, employed GitOps principles with ArgoCD, and managed source code using Git. Additionally, I have utilized expertise in IBM Sterling to optimize supply chain processes, maintained JBoss servers for optimal performance, and implemented Grafana for real-time monitoring and visualization. By thriving in a dynamic environment, I consistently deliver tailored solutions that align with MediamarktSaturn's objectives, and I am enthusiastic about continuing to contribute to the success of their innovative projects through cutting-edge DevOps practices. |
| **Roles and Responsibilities:**  1) Integrated GitHub web hooks into Jenkins to automate the code check-out process.  2) Hands on Experience with code repositories like GIT, GitHub and GitHub Actions. |
| 3) Integrated couple of tools with DevOps CI/CD approach and debugging the things if any issue arises. |
| 4) Creating production ready images for the Stage, Pre-Prod and Prod environments by using Jenkins And GitHub Actions |
| 5) Automating the regular day-to-day tasks performed by the client or other teams, with the help of scripts, thus enhancing client value creation. |
| 6) Manage production deployment and release across fleet and Provided 24x7 on call support. |
| 7) Promote Development builds from lower environments to Test Environments via Jenkins. |
| 8) Helping developers in issues that they encounter with the builds, process flow and other functional issues. |
| 9) Supporting developers by running SQL scripts on PROD Environments (Insert, Update tables). |
| 10) Working on alerts received from ticketing tool on the Test, Maint and Prod hosts (CPU Usage, RAM Consumption, SWAP, Inodes and disk usage). |
| 11) Continuous Integration and Deployment (CI/CD): Set up, configure, build, test, and deployment processes, ensuring rapid and reliable delivery of applications. |
| 12) Creating Requests for adding ssh-keys on hosts, requesting Upscaling of VM's, requested DB extensions for disk-space etc. |
| 13) Applying changes on TEST, Maint and PROD Environments received from the developers for functional and operational changes. |
| 14) Worked with GitOps and Argo CD as a part of CI/CD workflow.  15) Working on developing and enhancing build scripts and tools to improve the efficiency of the developments and its build process. |
| **Skills/Domain:** GCP, Kubernetes, GitHub, GitHub Actions, ArgoCD, K9s, Docker, Grafana, Dynatrace, Jenkins. |
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**Declaration**

I hereby declare that the above-mentioned information is correct up to the best of my knowledge and I bear the responsibility for the correctness of the above-mentioned.

**Date:**

**Place:** Bangalore **M Madhu**