**Monika Sai Ch**

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# Profile Summary:

* Having 5 Years of Experience in Implementing Organization DevOps strategy in various environments of Linux and windows servers along with adopting cloud strategies based on Amazon Web Services.
* Expertise in Amazon AWS Cloud Administration which includes services like: EC2, S3, EBS, VPC, ELB, AMI, SNS, RDS, IAM, Route 53, Auto scaling, Cloud Watch, Cloud Trail, Cloud Formation, OPS Work, Security Groups etc..
* Experience in DevOps tools like Git, GitHub, Jenkins, Maven, Ansible, Docker and Kubernetes.
* Working on Visual Studio Team Confidential to manage a backlog for the daily activities.
* Creation of Clusters for Load Balancing and to provide Failover Environment.
* Launching Amazon EC2 Cloud Instances using Amazon Web Services (Linux/Ubuntu/RHEL) and configuring launched instances with respect to specific applications.
* Experience with monitoring tools like AppDynamics and Amazon Cloud watch to monitor major metrics like Network packets, CPU utilization, Load Balancer Latency.
* Experience in managing and maintaining IAM policies for organizations in AWS to define groups, create users, Assign roles and define rules for role based access to AWS resources.
* Automated Regular AWS tasks like snapshots creation using Shell scripts.
* Configured and monitored distributed and multi-platform servers using Ops Work in AWS. Defined AWS stacks, layers and workstation to manage and configure nodes.
* Installing, customizing web servers as per existing infrastructure & requirements
* Developed Playbooks to manage systems configuration.
* Experience in branching, tagging and maintaining the version across the environments working on Software Configuration Management (SCM) tool GIT.
* Experience in cloud stack such as AWS (Terraform) and stacks.
* Registering new domain names and Route internet traffic to the resources for domains by using AWS Route53.
* Ability to build deployment, build scripts and automated solutions using scripting languages such as Shell scripting.
* Worked on web servers like Apache and application servers like Tomcat to deploy code.
* Experience in CI (Continuous Integration) and CD (Continuous Deployment) methodologies.
* Installed and Managed Jenkins for CI and Sharing Artifacts respectively within the company.
* Professional experience on Containerization tool like Docker, preparing Docker and Docker Compose files to create an Application stack for Development environment.
* Experience in creating Kubernetes cluster with Kubernetes Master and Kubernetes Worker nodes for deploying application on it.
* Having knowledge on setting up and managing Docker private repository
* Closely worked with Developers and Analysts to address project requirements. Able to effectively manage time and prioritize multiple projects.
* Excellent communication, team membership and relationship management skills.
* Strong ability to troubleshoot any issues generated while building, deploying and in production support.
* Good experience in Linux administration.

# Education Qualification:

Bachelor of technology in Mechanical from Sri Padmavathi University in 2013 – 2017.

# Professional Experience:

* Working in Infoville Solutions India Private Limited as DevOps Engineer, Bangalore from **11th May 2020– 8th Dec 2023.**
* Worked with Concentrix as Software Consultant, Visakhapatnam from **24th Oct 2017 – 1st Dec 2019.**

# Technical skills:

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| **Operating Systems** | Linux (Red Hat 6/7), Ubuntu, Windows NT |
| **Cloud Technologies** | AWS (VPC, EC2, S3, Cloud Watch, RDS, ELB, Route 53, IAM) |
| **Scripting languages** | Shell scripting, PowerShell |
| **Configuration Management** | Ansible |
| **Continuous Integration Tools** | Jenkins |
| **Web server Applications** | Tomcat |
| **Log Analysis** | Splunk and ELK |
| **Artifactory** | Nexus and S3 |
| **CodeQuality(Continuous Inspection)** | SonarQube and Junit |
| **Monitoring tools** | AppDynamics and Cloud Watch |
| **Version Control Tools** | GIT, GitHub. |
| **Container Services** | Docker and Kubernetes |
| **Infra As A Code** | Terraform |

**PROFESSIONAL EXPEIRENCE:**

**Client - Cognizant Duration: April,2022- Present**

**Designation – DevOps Engineer**

# Roles and Responsibilities –

* Creation of new Datadog Dashboard as per project visualization.
* Monitor the services & applications of projects in Datadog.
* Troubleshooting issues in the project using Datadog.
* Used to write JSON for IAM Policy for different teams in respect of different services in AWS.
* Responsible for deployment in Jenkins & Terraform.
* Initial set up Vagrant Production Environment to make it useful.
* Created Vagrant Script.
* Experienced in working in TRUCCR app to take cost optimization in Datadog.
* Worked on multiple changes to get templates for automation.
* Responsible for troubleshooting issues in Trusted Advisory in AWS.
* Created Lambda Function code to automate manual work in repository ECR.
* Data Dog Optimization is taking care off.
* Working on service change/incident request in adhoc basis.
* Working knowledge in IAM, S3, EC2, Scaling, VPC, Load Balancer, CloudWatch, Cloud trail.
* Responsible for creating CI/CD Pipeline using Jenkins, GIT, Maven, Docker etc.

**Client - Cognizant Duration: Jan,2021 -Mar,2022 Designation – DevOps Engineer**

# Roles and Responsibilities –

* Responsible for creating CI/CD Pipeline using Jenkins, GIT, Maven, Kubernetes etc.
* Created pipeline scripts to build source code using MAVEN.
* Experienced in Jenkin security management in Jenkin tool.
* Responsible for auto deploying the application in web server using JENKINS Jobs
* Provide infrastructure support using Devops skills to manage Tomcat server, GIT Hub, Jenkins server
* Worked to get notification through Jenkin.
* Managed JENKINS server (including Master & Slave architecture and Jenkin Delivery Pipeline) and associated Jobs.
* Worked on Jenkin “Pipeline as a code”. Used to troubleshoot the code.
* Configured various project in Jenkins as per client’s requirement (to set build periodically schedule schema)
* Checked logs for Jenkins & communicated same to other platform team for troubleshooting purpose.
* Experienced with various Docker operation and command.
* Responsible for Creating and managing Docker File.
* Worked on Docker compose file for handling multiple containers on different environment.
* Experienced in establishing communication between system & containers.
* Experienced in handling operation inside the orchestration tool.
* Working knowledge in IAM, S3, EC2, Scaling, VPC, Load Balancer, CloudWatch, Cloud trail.

**Client - Cognizant Duration: May,2020 -Dec,2021 Designation – DevOps Engineer**

# Roles and Responsibilities –

* Responsible for creating CI/CD Pipeline using Jenkins, GIT, Maven, Docker etc.
* Experienced with Branching Strategy in GIT.
* Experienced in troubleshooting the merging conflict in GIT.
* Provided time to time help for Stashing, Rebasing, Revert & Reset in GIT.
* Used to troubleshoot any CI/CD pipeline issue in terms of repository.
* Worked on various workflows in GIT.
* Experienced for attributes in GIT.
* Used to configure GIT account for Client.
* Worked on tracked and untracked file.
* Experienced in build related issues.
* Worked on various build configuration files.
* Worked on Maven life Cycle Structure., Maven repository.

**Company - Concentrix Duration: Dec,2017 -Dec,2019 Designation – Software Consultant**

# Roles and Responsibilities –

* Responsible for GIT & GIT Hub administration activity in Devops.
* Experienced with Branching Strategy in GIT.
* Experienced in troubleshooting the merging conflict in GIT.
* Provided time to time help for Stashing, Rebasing, Revert & Reset in GIT.
* Used to troubleshoot any CI/CD pipeline issue in terms of repository.
* Worked on various workflows in GIT.
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