Tathireddy Girinath Reddy

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DevOps/AWS Engineer

# PROFESSIONAL SUMMARY

* Having 2.5 years of IT experience in Configuration Management, Infrastructure Build, Release Management, Deployment and DevOps Engineering, Cloud Infra AWS.
* Hands on experience of Build & Deployment phase and usage of Continuous Integration **(CI/CD)** tools, build configuration, change history for releases, Maintenance of build system, automation & smoke test processes, managing, configuring and maintaining source control management systems.
* Experience in configuring **VPC, EC2, RDS, ELB, Route53, IAM.**
* Auto Scaling of Infrastructure using **Amazon Cloud Formation.**
* Extensively worked on **Jenkins** for Continuous integration and automation for all build and deployments in **Tomcat** and **Web logic** application server.
* Experienced in implementing Configuration Management tools like **Ansible.**
* Worked on source control tools like **GIT** and **SVN**.
* Experienced in container based deployments with **Docker.**
* Experience in **Red Hat Linux Administration.**
* Experience in installation of **Web logic & Tomcat** on **UNIX** Environment.
* Used **MAVEN** as Build Tools for build and deployable artifacts (war & ear) from source code.
* Ability in development and execution of **Shell** Script.
* Experience in using bug tracking and ticketing tools like **JIRA**.
* Deploy code through web application servers like **Web logic, Tomcat**.
* Good Experience in managing **Nexus/Artifactory** repositories for maven artifacts and dependencies.
* Ability in managing all aspects of the software configuration management process including code compilation, packaging/deployment/release methodology, and application configurations.
* Experience on source control concepts like **GIT** **- Branch, Merge** and **Tags**.
* Deployed applications on various environments like QA, UAT & PROD for various releases.
* Worked with Engineers, QA and other teams to ensure automated test efforts are tightly integrated with the build system and in fixing the error during deployment and build process.
* Self-motivated and resourceful team contributor, able to quickly grasp new technologies; deft at tracing complex build problems, release & environment issues in multi-component environment.

# TECHNICAL SKILLS

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| --- | --- |
| **Operating Systems** | Windows, Linux, Unix |
| **Virtualization** | Docker |
| **Cloud platforms** | AWS |
| **AWS services** | EC2, ELB, VPC, RDS, IAM, CloudFormation, S3, CloudWatch, CloudTrial, SNS, SQS, EBS, Dynamo DB, Lambda |
| **Version Control** | GIT |
| **Continuous Integration Tools** | Jenkins |
| **Build Tools** | Maven |

# EDUCATION QUALIFICATIONS

# Graduated MBA from Rayalaseema University, 2019.

# EXPERIENCE

* Working as an AWS Engineer in Mindtree Ltd, Bangalore from May 2019 to till date.

# PROJECT:

## PROJECT NAME : Markel Global Reinsurance

* [Extensive automation, deployment & maintained of all Non-production environments like Dev, SIT & Performance for applications in AWS using DevOps tools.](https://www.markel.com/insurance/reinsurance)

# ROLES & RESPONSIBILITIES:

* Worked on AWS Cloud Formation templates to create custom-sized VPC, subnets, EC2 instances, ELB, security groups. Worked on tagging standard for proper identification and ownership of EC2 instances and other AWS Services like CloudWatch, RDS, ELB, EBS, S3, Route53, SNS, IAM.
* Deploy and monitor scalable infrastructure on Amazon web services (**AWS**).
* Created the **VPC’s**, configured the subnets, attached the gateway and routing tables to the subnets and deployed the EC2 instances in the subnets created using Terraform Modules.
* Configured **boto-SDK** and written python scripts to automate the backup and snapshot of EC2 instances and storing those snapshots on S3 buckets.
* Creating the Read Replicas for the RDS databases in the different region expecting the disaster.
* Implemented the cloud watch alarm (High Status Check Failed System) in EC2 instance AWS.
* Excelled on creating **AMI (**AWS Machine Images) that utilizes **ELB** (Elastic Load Balancer) and Auto Scaling.
* **S3** concepts like creating of buckets, events, versioning, life cycle management, loggings, cross region replications.
* Configure and Maintain user accounts for teams using IAM and assign roles to them to access resources like **EC2, RDS, S3, VPC, SNS**
* Experience in creating alarms and notifications for EC2 instances using CLOUDWATCH.
* Created **Terraform** scripts for designing a cloud agnostic model of the current infrastructure
* **IAM policies, roles,** managing programmatic access.
* Experience in **setting** up **CI/CD** pipeline integrating various tools with Jenkins to build and run **Terraform** jobs to create infrastructure in AWS.
* Managed configurations of multiple servers using **Ansible.**
* Automated various infrastructure activities like Continuous Deployment, application server setup using **Ansible playbooks**.
* Responsible for maintaining **GIT** Repositories, and access control strategies.
* Co-ordinated and assisted developers with establishing and applying appropriate branching, labeling/naming conventions using **Git** source control.
* Built scripts using **Maven** build tools in Jenkins to move from one environment to other environments.
* Maintained build related scripts developed in shell for **Maven** builds. Created and modified build configuration files including **POM.xml**.
* Built Continuous Integration environment **Jenkins** and Continuous delivery environment. Implementing and managing **Jenkins** job to automate the new job creation.
* Automation of new job creation by implementing and managing **Jenkins**. Setup **Jenkins** master slave architecture to use **Jenkins** as pipeline as service.
* Integrated builds into **Jenkins** and configure **GIT** parameterized builds. Also installed many custom plugins along with **Maven** plugins.
* Installed, monitored and configured applications in **Nginx** and **Apache Tomcat Server**
* Creating **War / Ear** files using **Maven** and creating **Docker** images using those war files
* Creating and managing Build Infrastructure by using Jenkins, Git, and Maven.
* Integrate with **Git, SonarQube , nexus** and **Jenkins** for **Automatic Builds** and sending email and slack notifications to groups.
* Setup **Master** and **Slave** machines on for a running the Jenkins Jobs parallel.
* Used **Docker Container** for running different individual services.
* Created **Docker images**, **Docker containers** and pushed Images to Docker private Registry.
* Attending Scrum Meetings with Dev& QA.