**Linga Rao**

DevOps & Cloud engineer

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Professional Experience summary

* 5 + years of IT experience into Configuration Management & DevOps & Cloud solution architect.
* **AWS** cloud implementations and **DevOps tools** administration and automation on cloud and on-prem.
* Deployed the High available production environments on AWS.
* Experience in working on **micro service architecture** setup for node js, spring and API projects.
* Designed **Kubernetes architecture** for containerized micro service application environment.
* Monitoring of **Kubernetes** infrastructure using ELK.
* AWS **cloud migration** experience using left and shift strategy from on-prem servers.
* Worked the terraform **templates** for deploying the infrastructure needed for on-boarding new applications into **AWS.**
* Environment setup for Monolithic Java applications on **windows** and **Linux** servers by using **web sphere**, **tomcat,** and **Apache**.
* Installation and Configuration of **Jenkins** and Created the Continuous Integration / Continuous Deployment automation Pipelines.
* Implemented the **groovy scripts** for pipeline as code automation. Also managed the **Gitlab pipeline** automation.
* Hands on experience in developing the utilities needed for automation using **python**.
* Administration of nexus artifact management system with secure authentication.
* Build Management for Java application using Apache **Maven** and **ANT**. Managed the dependencies using artifact management tool **nexus**.
* Administrative experience on **Linux servers** and scripting automation using **bash**.
* Managing the multiple **release deployments** to different environments **QA, UAT** and **PROD**.
* Experienced on **Ansible playbooks** and **Ansible tower** to run play books.
* Provided daily support to the environment specific issues and Application issues by coordinating with different teams.
* Used **Jira** for workflow management and release approvals from the different stake holders.
* **Database** deployments also managed for different environments from **Jenkins**.
* Hands on Experience on Installation and Configuration of Centralized and Distributed VCS systems **Subversion (SVN)** and **GIT (GITHUB and Bit Bucket)**
* Worked with Project architects to define branching and merging strategies for multiple application releases for **SVN** and **GIT**.

TECHNICAL SKILL SUMMARY:

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| --- |
| * Public Cloud Azure and AWS. * Application Servers WebLogic, Web sphere, Tomcat * CI Tools Jenkins/Hudson. * Databases AWS RDS, SQL Server and MySQL. * SCM Tools SVN, GIT & GITLAB. * Build Tools Maven, Ant * Artifact Management Nexus * Code Coverage Sonar * Development Methodologies Agile * Bug tracking tool JIRA, Service-Now * Container technology Docker and Kubernetes. * Operating systems Linux and Windows. * Scripting Languages Shell Scripting, JSON & python. * Configuration Management tool Ansible. * Infrastructure automation Terraform & Cloud formation. |

EDUCATION DETAILS:

* B.Tech (EEE) from Krishna University Vijayawada, (DMS SVH College of Engineering, Machilipatnam, Vijayawada), 2014.

ORGANISATION DETAILS:

* Working as a Senior DevOps and Cloud automation Engineer in **Walmart -Chennai,** **WORDDENEVO TECHNOLOGIES –NCR Delhi)**, from July 2020 – till date.
* Worked as DevOps Engineer in **DHFL General Insurance Mumbai** from July 2018 – June 2020.
* Worked as DevOps Engineer in **Kairos Corporate Service Limited**, from march 2016 – June 2018.

PROJECT SUMMARY:

**Walmart (July 2020 – Till Date)**

**Client: Walmart Inc. is an American multinational retail corporation that operates a chain of hypermarkets, discount department stores, and grocery stores from the United States, headquartered in Bentonville,**

**Role title:** DevOps Engineer.

**DevOps Tools Used:** Site 24\*7, AWS, GIT, Jenkins, Pager duty, Linux, Jira, Oracle Web logic, Shell Scripting, Nexus, Terraform, Jira

**Contributions:**

* Infrastructure as a code automation Using cloud formation & Terraform on Public cloud platform AWS.
* Setup and Managing VPC, Subnets, make connection between different zones.
* Followed security best practices on deployed application on cloud AWS.
* Creating snapshots, Custom AMIs and managing EBS volumes.
* Load balancing setup using AWS ALB and configured horizontal scaling (Scale in and out).
* Worked on RDS service to manage the different databases and scheduled maintenance of snapshots at Rest.
* Created and managing the Lambda functions for different applications using serverless deployment architecture as per project scope and application architecture needs.
* Access management using IAM Users and Roles, Defined custom json policy statements for different identities.
* Exposure on simple storage AWS S3 and applied S3 lifecycle rules for storage classes to utilize more cost effectively.
* Worked on AWS ECS faregate cluster setup, created the task definition and services.
* Automated deployment to ECS using Jenkins pipelines.
* CI/CD Pipeline setup using Jenkins pipeline scripts.
* Managed the day to day builds to Dev, RT and QA environments from Jenkins server. Also responsible for monitoring the builds and troubleshooting the issues.
* Experience in automate the deployments to UAT and PROD as per the release cycle.
* Good Hands on experience in Linux server administration, monitoring and troubleshooting the issues.
* Used ansible for patch management for several Linux machines on weekend schedules.
* Branching and Merging strategies defined for agile releases in GIT.
* Automated the application build process setup for Java Applications using Maven.
* Environment setup using different web and application server’s apache, tomcat and web sphere.
* Involved in writing the docker files to build images and deployed the containers to the different environments.

**PROJECT:**

**DHFL GI.** (July 2018 – June 2020)

**ROLE**: Digital Engineer.

**DevOps Tools Used**: Git, SVN, Maven, Nexus, Jenkins, Tomcat, httpd, Nginx, Nagios, Linux and windows.

**Contributions:**

* Supporting different environments like Dev, QA, Performance, Pre prod, Mobile and Stress.
* Designed the on-boarding process for new applications and microservices.
* Designed Jenkins pipelines for application deployment and infrastructure management.
* Writing Docker files for the applications and integrating them into Jenkins CI.
* Writing Kubernetes templates for orchestrating the docker containers of different application.
* Create clusters in and manage the clusters using **Kubernetes**(k8s). Using Jenkins to deploy code to Google Cloud, create new namespaces, creating docker images and pushing them to **container registry** .
* Designed the terraform templates for deploying the infrastructure needed for on-boarding new applications.
* Monitoring different environments using enterprise monitoring tools (ex:AppD).
* Provisioned monitoring solution using Prometheus, Grafana and alert manager for Kubernetes clusters.
* Resolve application and environment issues by participating in triage sessions.
* Provided on-call support at the need of the hour.
* Involved in builds, deployments, maintaining and enhancing highly automated build, release and testing infrastructure.
* Collaborate with peers and stakeholders to design and implement new tools/practice/**technology.**
* Responsible for Build activities based on the corresponding team’s request.
* Responsible for configuring and maintaining continuous integration, installation of plugins.
* Configuring Nexus Repository and uploading required Artifacts.
* Analyzing and resolving new issues and New Deployments and updating the documents.

**PROJECT:**

**Kairos Corporate Service Limited.** (July 2016 – June 2018)

**Humana insurances**

**ROLE**: Configuration Management Engineer.

**DevOps Tools Used**: SVN, Maven, Nexus, Jenkins, Tomcat, httpd, Linux and windows.

**Contributions:**

* Worked on subversion server to manage repositories, branching and merging.
* Helped the Dev teams on code merge conflicts and access issues.
* Administrated the Linux servers and License renewals from the Red Hat.
* Worked with internal Wintel teams to build the new VMs to setup the environments.
* Administered **Jenkins continuous integration** server.
* Automated application packaging and deployments.
* Managed staging and testing environments.
* Established coding standards and enforced them through automated tools.
* Educated team about continuous integration and automated testing practices and supported them throughout application release.
* Configured **Jenkins** to implement **nightly builds** on daily basis and generated change log that includes changes logged past 24 hours.
* Connected continuous integration system with different tools as part of CI process and CD Process.
* Created multiple **ANT and Shell** scripts for build automation and deployment for different applications.