**Lalith Kiran N**

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**Summary:**

 Having 5+ Years of experience in IT industry. Currently working on DevOps, Configuration Management, Build Management, Requirement Management and Change Management by using licensed & other open source tools.

**Technical Skills:**

* 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, ECR, ECS, EKS etc.
* Administration various environments in software development life cycle (SDLC) Windows, Ubuntu, Red Hat Linux and CentOS Experience supporting Ansible Environment with multi servers and involved in developing manifests.
* 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.
* Amazon tools used include EC2, RDS, S3 storage, Oracle, Python, GIT, and Jenkins
* Experience with monitoring tools like Nagios and Amazon Cloud watch to monitor major metrics like Network packets, CPU utilization, Load Balancer Latency
* Automated Regular AWS tasks like snapshots creation using python scripts.
* Installing, customizing web servers as per existing infrastructure & requirements
* Choosing webservers as per load, hardware & application type.
* Selecting & configuring web server roles i.e. Load Balancer, rev. proxy etc.
* Compiling them with required modules. Optimizing with carefully selecting worker process.
* Setting Memcached on AWS Elastic Cache & EC2 instances.
* Developed Cookbooks and Recipes to manage systems configuration.
* Experience in branching, tagging and maintaining the version across the environments working on Software Configuration Management (SCM) tools like Subversion (SVN) and GIT.
* Experience in cloud stack such as AWS (Cloud formation) and stacks.
* Worked on web servers Apache, Nginx and application servers Tomcat for application deployments.
* Extensively worked on Jenkins by installing, configuring and maintaining for the purpose of continuous integration (CI) and for End to End automation for all build and deployments.
* Extensive experience with software Build automation and standardization tools like Maven
* Experience in CI (Continuous Integration) and CD (Continuous Deployment) methodologies.
* Installed and Managed Jenkins for CI and Sharing Artifacts respectively within the organization.
* Configuring network services such as DNS, NFS, send mail, ftp, remote access, security management and Security trouble shooting skills.
* Working on containerized platforms Docker and orchestration with Kubernetes cluster.
* Experience in ELK Stack for logging and monitoring services.
* Closely worked with Developers and Analysts to address project requirements. Able to effectively manage time and prioritize multiple projects.
* Good Experience IAC tool Terraform.
* Experience with MongoDB, MySQL.
* Strong ability to troubleshoot any issues generated while building, deploying and in production support.

# Technical Skills:

**Cloud Technologies :** AWS (Amazon Web Services)

**Operating Systems :** Linux (Red Hat 5/6), Windows NT, 2008/2012, Ubuntu.

**Configuration Management :** Ansible

**CI/CD Tools :** Jenkins

**Containerization/Orchestration :** Docker/Kubernetes

**Static Code Analysis :** SonarQube

**Repository Manager :** SonatypeNexus

**Version Control :**  GIT, GitHub, Bitbucket

 **Application Servers :** Apache Tomcat, HTTP Server, Nginx

 **Monitoring Tools :** Nagios, Grafana/Prometheus, ELK

# Educational Details:

# B. Tech (ECE) from Mahatma Gandhi University, Bangalore – 2015.

# Professional Experience:

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* Working with Eltropy (Arkin Systems), Bangalore since Oct 2018 –
* Worked with Arkin Systems, Chennai from Jan 2016 – Sep 2018.

**Responsibilities:**

**Client** : Eltropy Inc

**Role** : DevOps Engineer

**Proj :** Eltropy

* Setup/Managing Linux Servers on Amazon (EC2, EBS, ELB, SSL, Security Groups, RDS and IAM).
* Setup/Managing VPC, Subnets; make connection between different zones; Blocking suspicious ip/subnet via ACL.
* Setup/Managing CDN on Amazon CloudFront (Origin Path: Server / S3) to improve app performance.
* Setup/Managing Databases on Amazon RDS. Monitoring servers thorough Amazon CloudWatch, SNS.
* Creating/Managing DNS records on Amazon Route 53.
* Creating/Managing AMI/Snapshots/Volumes, Upgrade AWS resources (CPU, Memory, EBS)
* Launching Amazon EC2 Cloud Instances using Amazon Web Services (Linux/ Ubuntu/RHEL) and Configuring launched instances with respect to specific applications.
* Implemented and maintained the monitoring and alerting of production and corporate servers/storage using AWS Cloud watch.
* Installed application on AWS EC2 instances and configured the storage on S3 buckets.
* Experienced in build and deployment of Java applications on to different environments such as QA, Pre-PROD and PROD.
* Branching, Tagging, Release Activities on Version Control Tools: SVN, GitHub.
* Implemented Continuous Integration using Jenkins and tools integration as per the requirement.
* Deployed the java application into web application servers like Apache Tomcat.
* Containerized applications and api’ s for deployment in Cloud/on-premises.
* Automated Kubernetes object deployments using CI/CD Pipelines.
* Experienced in deployment of applications on Apache Web server, Nginx and Application Servers such as Tomcat.
* Application Deployments & Environment configuration using Ansible.
* Setup ELK Stack for logging/monitoring the infrastructure.
* Setup Beats for getting info from the infrastructure. Using various types of beats (filebeat, metricbeat, heartbeat, auditbeat)

**Responsibilities:**

**Client** : SIMV

**Role** : Administrator

**Proj :** SIMV

* Worked on Production Server's on Amazon Cloud (EC2, EBS, RDS, S3, and Route 53).
* Worked and Troubleshoot Git Repositories on Production, Staging, Development and Local Server's.
* Configure User Required Domain’s on apache server.; User Administration and Permission;
* Monitor Production Server Health of different parameters (System Load, Physical Memory, Swap Memory, Hard disk, Apache requests, Mailq) via Nagios.
* Investigation and Recover of Production Server Issues like as Server load (Parsing, mailq, query stuck).
* Monitor MySQL Database Backup on AWS cloud S3 (CLI).
* Log Analysis, Maintaining Documents of production server log's reports and server's list.
* Install and configure Ubuntu, Centos on remote servers and Desktop servers.
* Installation of patches and packages using RPM and YUM in Red hat Linux.
* Installed and configured Apache/Tomcat web server.
* Created and modified users and groups with SUDO permission.
* Working with developers to load software onto Linux Enterprise servers and debugging Scripts.
* Set up and administer user and groups accounts, setting permissions for users.
* Diagnosed and resolved problems associated with DNS, DHCP, VPN, NFS, and Apache.
* Creation and administration of Virtual Machines using VMware and virtual box.
* Responsible for configuring and connection to SSH through SSH clients like Putty
* Regularly manage backup process for server and client data.
* Maintaining the Linux Firewall for network and implement to the network security.
* Troubleshooting the network with the help of net stat, ping, nslookup and trace route tools.
* Resolving TCP/IP network access problems for the clients. Develop, Maintain, update various scripts for services (start, stop, restart, recycle, Cron jobs) UNIX based shell.
* Experience installing and configuring SSH (Secure Shell) encryption in order to access securely on Ubuntu and Red hat Linux.
* Installing open source application, search, analyze and develop new application for users.