RAMALINGESHWAR RAO.CH (RAM)

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**PROFESSIONAL SUMMARY**

* Over 12 years (5 years DevOps & 7 years on Infrastructure) of IT experience in diversified fields of Cloud computing, Hybrid Cloud, AWS Cloud, DevOps, CI/CD, Automation, optimizing critical deployment in Aws Cloud, Logging and Monitoring, AWS account management, Identity and Access Management (IAM), Configuration management, Log Management, Patch management, auto scaling, load balancing, implementing the highly available scalable infrastructure in cloud environments.
* Solution Architecture experience including Cloud Hosting/ distributed systems/ API/ Microservices/ Data on Cloud
* Designed Architectural improvements, design, and integration solutions, and formulated methodologies to optimize object-oriented software and database development.
* Designed and Implemented 3 tier architecture with Web, Application and Database servers using Elastic Load Balancer (ELB) with Route 53 DNS registered
* Architected and Implemented AWS Cloud cost effective solution for non-Production environment such as Development, Testing, Cat Servers etc
* Hands-on experience with Code Management tools like Git and Subversion
* Good working experience in Build/Release/ Configuration and other DevOps methodologies, setting up, maintaining CI & CD pipelines and delivering releases for multiple applications running on Linux based distributed Infrastructure.
* Configuring, managing & maintaining a Master and Slave machines using Jenkins
* Experience in integrating JUnit Tests and Code Quality Analysis Tools
* Experience in Configuring and deploying to Application Servers Tomcat, Implementing Ansible for the configuration management (YAML scripts)
* Hands on experience on Terraform, creating Docker Images, Containers, tagging and pushing
* to Docker hub, Implementing Serverless Architecture, Prometheus and Grafana,

ServiceDeskplus (ITIL) & Jira

* Creating CloudWatch alerts for instances and using them in Auto scaling launch configurations
* Extensive experience in using AWS services such as EC2, S3,Lambda,Cloud formation, IAM and EBS.
* Understanding of various protocols and services including TCP/IP, HTTP & HTTPS
* Experience in ADS, DNS and DHCP
* Good analytical, problem solving, communication skills and can work either independently with little or no supervision or as a member of a team.

**TECHNOLOGIES**

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| Cloud Platforms | AWS |
| Cloud Services | IAM, VPC, Ec2, S3, EBS,ELB,Route53,SNS,CloudFront,ECS,SNS,  Auto Scaling, Cloud Watch, Cloud Formation, Elastic Beanstalk |
| Languages/Scripts | Shell scripting, PowerShell, Bash, Json, YAML, Groovy |
| Operating Systems | Linux, Windows and MacOs |
| Version Control Tools | Git, Gitlab, Github |
| Build Tools | Maven |
| CI/CD | Jenkins |
| Databases | MySQL, NoSQL |
| Infrastructure as Code tool | Terraform |
| Configuration Management Tools | Ansible |
| Containerization and Orchestration Tools | Docker, Kubernetes |
| Monitoring Tools | Splunk, Nagios, CloudWatch, Prometheus, Grafana |
| Web services/API’s | Micro services and, Rest API |
| Development/Design Tools | Putty, ServiceNow, JIRA, Microsoft Visio, MS Office, MS Project Management, |
| Security tools/Frameworks | SSL, LDAP, Active Directory, Kerberos |
| Application Servers/Web Servers | Apache tomcat |
| Process/Methodologies | Agile, Scrum, SDLC, |
| Testing Frameworks/Code | Junit, Sonarqube |

**ORGANIZATIONAL EXPERIENCE**

* **Devops and Cloud Engineer, ILabs HTC (P) Ltd from June 2017 to Oct 2021.**
* **System administrator, ILabs HTC (P) Ltd from June 2008 to Oct 2017**

**AWARDS / ACHIEVEMENTS**

* **Received Rapid Recognition Award from Monsanto for outstanding performance**

**EDUCATIONAL BACKGROUND**

* **B.B.M from Kuvempu University**

**CERTIFICATIONS**

* **Microsoft Certified System Engineer - MCSE**
* **AWS Certified SysOps Administrator – Associate**

# Project: ILCAP, 11/2019 – 10/2021

**Role**: Cloud and DevOps Solutions Architect

**Project Description**: Responsible for Architect & Develop the Investment and funding sector for open group framework application which included integration to partner system, containerization, and deployment of micro services in AWS and RedHat OpenShift platform. Planning and upgrading micro services application software which include packaging, integration and testing

**Technologies:** AWS, RedHat Openshift, Cloud Formation, CICD, Terraform, Ansible, Splunk, Apache, Tomcat, Jenkins, Docker, Kubernetes and Micro services, CouchDB,GitHub, Gitlab, Jenkins, Elastic Search Sonarqube, mySQL, Automation

# Responsibilities:

* Worked extensively in AWS Cloud Infrastructure creation, automation, teardown, managing, operating the AWS Accounts and its Core Services
* Responsible for managing scrum, scope, planning, tracking, change control, aspects of the project
* Managing projects, requirement gathering, writing design & technical/functional specification, developing and implementation of Business solution
* Planning and setting up of Continuous Integration for various properties on Jenkins with Commit, Component, Assembly, Deploy and Smoke jobs
* Creating Jenkins AWS Cloud Infrastructure Jobs Including VPC, subnets, NAT gateways, Internet gateways, Route Table mapping, NACL’s, Security groups EC2,S3, KMS, Tagging,

RDS using Cloud Formation yawl scripts stored in GIT Repo

* Integrated Jenkins with GIT, Ansible, AWS to create Infrastructure as a code automation.
* Extensive knowledge on automating the infrastructure using Cloud Formation, terraform, Ansible, Jenkins, GIT, Bash script.
* Have written Ansible playbooks to automate apache, tomcat and database servers.
* Created Infrastructure as a code using Cloud Formation yaml scripts.
* Leveraged Ansible configuration management tool to automate the web servers, applications servers and database server configurations from single source using Ansible Master Server.
* Played multiple roles including application team, platform team, DevOps teams to gather the requirements and modify the AWS Cloud
* Implemented docker containerization for multiple java micro services and created Kubernetes clusters on preprod environment
* Enabled all the AWS Infrastructure logging including Cloud trail, AWS Config, ELB Logs,

VPC Flow logs, S3 access logs, Cloud watch logs

* Modified the security groups to add ports and CIDR Blocks (IP ranges) based on security and compliance requirements
* Created Search queries in Splunk Using Search processing language (SPL).
* On-boarded multiple applications to Splunk platform to capture the logs from web servers, application servers, network servers and database servers.
* Enabled developers and QA to deploy and test applications via Jenkins using various scripting technologies (i.e., Shell & Bash)
* Work with enterprise support team on security compliance and disaster recovery measures
* Involved in Partition service implementation to retrieve the data-partition specific resource configs
* Responsible for handling the Schema, Storage, Indexing and Reindexing micro services and end to end testing and validation in CI/CD using Jenkin jobs in Redhat OpenShift/AWS.
* Performed Functional, Integration tests of all the services using Insomnia and Postman tools
* Performed code coverage for all the Micro services by using Sonarqube in coordination with Azure, AWS, Google Open community forum groups

# Project: Skanda Aerospace , 11/2017 – 10/2019

**Project Description:** Skanda aerospace is manufacturing High Precision Engineering Components, Mechanical Sub-Assemblies and Tooling Systems for Aerospace, Oil & Gas and Power Transmission Sectors. The Buyer and supplier are key projects which plays vital role in corporate B2B transactions across the globe. Here we created cloud infrastructure for web applications and database

**Role**: DevOps Engineer

**Technologies**: Amazon’s AWS, Cloud Formation, Git, CICD, Maven,Jenkins, Docker, Terraform, Ansible, Apache, Tomcat and Micro services, CouchDB, AutoScaling, ElasticLoad balance, Automation

# Responsibilities:

* Architected ,Designed and Implemented AWS Cloud
* Created AWS Services like Ec2 Server, S3 bucket, AWS RDS, VPC, Subnet, Routing, NAT gateway, NACLs, Security group gateway,
* Extensive implementation knowledge on Cloud backup, Storage and DR Designed CI/CD pipeline using Jenkins, Git, antifactory repository, Sonar Qube, Ansible, Cloud Formation Template.
* Performing peer review of code, Test plan and Implementation plan for deployment of change., Rest API, AWS cloud, Jenkins, Git, Artifactory Repository
* Create fully automated workflow to create On-Prem infrastructure using Terraform,

Ansible, Jenkins, Jira, VMWare

* Configured the Maven build tool for creating the war and Jar files in Jenkins
* Managed GitHub repositories and permissions, including branching and tagging
* Created build and deployment jobs in Jenkins for various components
* Creating CI/CD pipelines by integrating GitHub, Maven, Jenkin
* Configured local Maven repositories with Nexus repositories and scheduled projects in Jenkins for continuous integration.
* Used Maven dependency management system to deploy snapshot and release artifacts to Nexus to share Responsible for running different types of static analysis, code coverage and unit tests from the CI server.
* Deploying, configuring, managing, maintaining a Master and Slave machines using Jenkins
* Implemented CI tool Jenkins for automated builds
* Responsible for daily builds/deployments from Integration environment through staging environment.
* Interact with developers and Enterprise Configuration Management Team for changes to best practices and tools to eliminate non-efficient practices and bottlenecks.
* Coordinate with Release Management regarding appropriate system releases among other development platforms.

# Project: iLabs Hyderabad Technology Center Pvt Ltd (June 2008-Oct 2017)

**Project Description:** ILabs is in to multiple sectors like investments,fund raising ,infrastructure ,Media and software technologies,Responsible for on premises and cloud infrastructure on windows & linux platforms

for various applications .

**Role**: Infrastructure & System Administrator

**Technologies**: Windows Server Operating system, Active directory services, Windows Deployment services,O 365, DNS, DHCP, VPN, EC2,S3,VPC,Route53,EBS and Linux flavors

# Responsibilities:

* Installations and troubleshooting Windows operating systems and Windows Server Operating
* Configuring Server and Client Architecture.
* Configuring Windows server roles like Active Directory, DNS, DHCP, IIS
* Install and manage Linux systems
* Experience on office 365 administration
* Ensure Windows Servers and Microsoft applications are operating optimally, are backed up, and are properly configured.
* Perform ongoing monitoring and maintenance of all servers in the operations team environment
* Support end users on complex technical issues including problems related to applications, client computers and servers Remotely through VPN.
* Maintain server security and integrity
* Create and maintain documentation of environment and application configuration.
* Support the IT needs of the organization’s employees and internal groups. Other duties and responsibilities may be assigned.
* Managing and Configuring Topologies (LAN & WAN)
* Configuring AWS Cloud services like (EC2, S3, VPC, Autoscaling, Route 53)