



# MAHAVISHNU RAMAKRISHNAN

Tambaram, Chennai

+91 8248553547

maha.vishnu28@hotmail.com

maha-vishnu



## OBJECTIVE

I aspire for a challenging position in a professional organization where I can enhance my professional skills and strengthen my performance in adding with organization's motto.



## EXPERIENCE

### DevOps Engineer | Aspire Systems

JUNE 2017 – APRIL 2019

#### PROJECT – SAUDI TELECOM COMPANY (mystore.com.sa)

- Responsible for implementing and supporting of cloud based infrastructure and its solutions.
- Managed work flow in AWS with Lambda and python run time environment.
- Configured separate VPCs for Development, QA, Stage, Pre-prod and Production environment.
- Configured NAT gateways and allowed the communication for private instances through bastion hosts.
- Created and configured Application Load Balancer and routed the traffic between the decoupled application.
- Configured Auto scaling to manage the traffic at peak times.
- Created S3 buckets and stored the website images with versioning enabled.
- Used IAM for creating roles, users, groups and also implemented MFA to provide additional security to AWS account and its resources.
- Configured Auto backup of EC2 instances with retention period by the help of Lambda.
- Configured alerts with CloudWatch service.
- Created and configured RDS instances with MySQL.
- Configured SES to send emails from the website using PHP SDK.
- Configured Jenkins and CodeDeploy for Continuous Integration and Deployment.
- Configured Gitlab for private repository management.
- Took the admin part and managed the users and repositories in Gitlab.
- Setup the CloudFront for Content Delivery Network.

#### PROJECT – SAUDI TELECOM COMPANY (Qwik+ Android application)

- Configured EKS for the Kubernetes master and worker nodes environment.
- Written CloudFormation template for EKS cluster creation and configuration.
- Implemented Kubernetes with production ready, highly available and load balanced infrastructure.
- Installed and configured Docker for the development environment.

- Written Docker-compose file for the container management.
- Configured Jenkins for auto push of containers to Docker hub after a build happened in maven.
- Implemented open source check\_mk tool to monitor the servers.
- Configured Grafana for application's health and response time check.

## **Devops Engineer | Hexaware Technologies**

MAY 2019 – PRESENT

### **PROJECT – ERNST AND YOUNG**

- Integrated Azure DevOps with Ansible Tower.
- Implemented Ansible modules (Reusable code) to deploy Azure services.
- Automated the Azure services provisioning with meaningful names.
- Deployed Azure environments with complete automation using Ansible and Azure pipelines
- Created end to end CI/CD for the applications which uses Azure as environment.
- Involved in deploying the Azure services with modular approach like Resource group, Virtual network, subnet, Key vault, Application gateway, Web apps, NSG, Load balancer, Virtual machine, API management, AKS and App service plan
- Deployed the Azure components with REST API.
- Involved in Domain Joining of the Virtual Machines with the AD.
- Implemented Minimum Security Base Line (MSB) for the Virtual Machines with puppet.
- Automated the AD user creation with puppet
- Involved in Client Interaction to understand the requirements of the different environments.
- Involved in Provisioning of the Environments like DEV, QA, UAT and PROD using single pipeline with multi branch approach.

### **PROJECT – TOYOTA FINANCIAL SERVICES**

- Implemented building blocks for AWS environment using terraform.
- Setup the environments for terraform with on-prem and terraform cloud.
- The building blocks includes the EC2, S3, EKS, RDS, DynamoDB, EBS, and Namespace (k8s).
- Implemented the post deployment validations with QTest.
- Automated the Jenkins creation including the configurations with Docker and REST APIs.
- Created end to end Jenkins CI/CD for the applications which uses Kubernetes as environment.
- Implemented the Jenkins shared library.
- Implement CI/CD for iOS applications.
- The CI/CD pipeline includes the stages – Artifactory dependency download, Code build, Unit testing, Code quality check, Static code analysis, Vulnerability scanning and Artifactory upload.
- Automated the Jenkins user permission assignment.
- Integrated Jenkins with SNOW catalog.



## **SKILLS**

- **Programming languages** – Python, Java, Groovy and Shell (Bash)
- **DevOps and configuration management tools** – Jenkins, Azure DevOps, and Ansible.

- **Container technology** – Docker and Kubernetes.
- **Infrastructure as Code** – Terraform.
- **Cloud technologies** – AWS (Certified) and Azure (Certified).
- **Systems** – Linux (Centos, Ubuntu and Debian).



## CERTIFICATIONS

- AWS Certified Solutions Architect – Associate
- Microsoft Certified Azure Security Engineer – Associate
- Microsoft Certified Azure Fundamentals



## INTERESTS AND HOBBIES

- Learning new web, DevOps and networking technologies
- Exploration on open source technologies.
- Playing chess



## PERSONAL INFORMATION

- |                   |   |                   |
|-------------------|---|-------------------|
| ▪ Father's name   | - | Ramakrishnan      |
| ▪ Date of birth   | - | 27/08/1995        |
| ▪ Marital status  | - | Single            |
| ▪ Languages known | - | Tamil and English |



## DECLARATION

I hereby ensure that the information endowed above is true to the best of my knowledge and belief.

Place: Chennai

Date:

Signature