LAVANYA R

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# OBJECTIVES

Seeking an entry-level position in an organization to have a career where I can utilize my knowledge and skills for my growth as well as for the growth of the organization.

# ACADEMIC QUALIFICATION

* **Diploma in Airport Ground Handling with Flight Dispatch / RTR (AERO)** in FLY Air Aviation Academy at Valasaravakkam with an aggregate of **“A” Grade** in 2017-2018
* **BE CSE** in KCG College of Technology at Chennai with an aggregate of **7.0** in 2015.
* **DECE** in Adhiparasakthi Polytechnic College at Melmaruvathur with an aggregate of **85%** in 2012
* **SSLC** in Little Jacky Matriculation Higher Secondary School at Chengalpattu with an aggregate of **60%** in 2009

# TECHNICAL PROFICIENCY

## AWS Cloud

* Manage Amazon Web Service – EC2, VPC, S3, ELB, Auto Scaling Groups (ASG), EBS, RDS, AMI, IAM, Route 53, Could Watch, SNS, SQS, Code Deploy, Code Pipeline, Red Shift, CloudFront, CloudTrail, EFS, Lambda
* Expertise in architecting secure VPC solutions in AWS with the help of Network ACLs, security groups, public and private network configurations
* Create S3 buckets and also managing policies for S3 buckets
* Setup Managing CDN on Amazon Cloud Front (Origin path: Server / S3) to improve the site
* Experience in managing and maintaining IAM policies for the organization in AWS to define groups, create users, assign roles and define rules for role-based access to AWS resources
* Create snapshots and amazon machine images (AMIs) of the instances for backup and creating clone instances
* Installed Setup and Migration Developers and Production Servers (Apache, MySQL and Scripts),
* Installed and Setup MySQL Server, Multiple MySQL Instance with a different port
* Monitor MySQL Database Backup on AWS cloud S3 (CLI)
* Scheduling jobs and log rotations using crontab
* Configure User Required DNS records on Amazon Route 53 and Hosting.
* Responsible for troubleshooting Mount points, NFS, and Mail issues.
* Creating Elastic Load balancers such as CLB, and ALB for the various instance depending on the traffic
* Code Pipeline – Automates the step required to release your software changes continuously
* Creating AWS Instances and Resource Bills.

## LINUX

* Installation and configuration of RHEL/CentOS 7.
* User and Group management.
* Package management using RPM and YUM.
* Permission management.
* Providing restricted Sudo access to the users.
* Security management using restricted SSH access, and TCP Wrappers.
* Configuring password-less SSH login to the servers.
* Disk partition and management using FDISK utility.
* LVM configuration.
* Scheduling the jobs using the Cron service.
* Backup and restore of files using TAR.

**DevOps**

* Good understanding of the principles and best practices of Software development life cycle (SDLC) in Agile and Waterfall methodologies.
* Experience with GIT/GitHub version control system.
* Proficiency in Jenkins for CI/CD and end-to-end automation for application build and deployments.
* Experience with Docker Containerization tool, running the containers, pulling images from the Docker Hub, creating Docker files to manage containers which are customized, docker commits to capturing the file changes into new Images and pushing the image into the docker hub.
* Maintained build scripts Maven to perform builds efficiently.
* Good knowledge of configuration management tool Ansible.
* Good hands-on training with Linux commands and volume mounting.
* Good understanding of Shell scripting.

**Operating system**

# Linux

# Windows

**Certification courses**

* + - **Amazon Web Service (AWS)** Course Certification from Besant Technologies.

# Linux (RedHat) Course Certification from Besant Technologies.

**Job Responsibilities:**

* Ensure automation is in place for repeated and reusable activities.
* Striving to team player and have strong knowledge in understanding the client’s requirements
* Provide technical support, training and technical documentation to the Information Technology team and contractors
* Perform other duties and responsibilities as required to fulfil job function or as assigned.

**Training:**

* Undergone training on Git concepts and GitHub.
* Undergone technical training on the concepts of Docker, Jenkins and Ansible and implemented sample projects using the tools.
* Had training on Linux server environments

**Ability:**

* Getting trained to work effectively as part of the DevOps team and contribute to its success.
* Think analytically and try to be a problem solver.
* Communicate effectively, both in writing and speaking.
* Work completely and accurately under time constraints and deadlines.
* Read, analyse and interpret requirements.
* Provide excellent customer service.
* Work safely and effectively.

**AWS Project Details**

* Hosted a Static Web application ec2 server using Classic Load Balancer and Application Load Balancer
* Created a disaster recovery in two different regions and developed an application using Word press to continuous sync using S3, if any one server is failed due to some disaster one will be up and running.
* To manage and deploy the Application automatically using Code Deploy and Code Pipeline when the user committed the application (zip file format) in S3.

# Developed a Private Infrastructure using VPC for securely Access to the private zone.

# DevOps Hands-on Projects:

# Project 1: Jenkins Pipeline for build and deployment

# Description: Having experience in creating Jenkins pipelines with SCM polling using Maven build and GitHub Webhook. Worked on multiple POC projects where I have used different kinds of pipelines like Conditional pipelines, parallel stages and integration with third-party services like AWS, Docker and Ansible.

# Role: DevOps Engineer

# Project 2: Docker Containerization

# Description: Having an understanding of Docker concepts and have created custom images/containers for hosting WordPress technology stack and published the same to Docker Hub. Also, have experience in creating images with tools that would be needed for Jenkins’s pipeline jobs.

# Role: DevOps Engineer

# Project 3: Ansible for Configuration Management

# Description: Have a good understanding of Ansible ad-hoc and playbooks and have implemented sample projects like Webserver installation, managing various configurations, and performing Linux administration activities on the target machines.

# Role: DevOps Engineer

**PERSONAL DETAILS**

Father’s Name : Mr. Dr. Pon.Ramalingam

Date of Birth : 25.12.1993

Gender : Female (Unmarried)

Language Known : English and Tamil

# Declaration

I do hereby declare that the information and facts stated herein are true to the best of my knowledge.

## Date: Yours truly,

**Place:** Chennai.

# (R. LAVANYA)