**RESUME**

G. MAHALAKSHMI

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**OBJECTIVES**

To work sincerely and give my contributions of work for the organization’s development with my skills and keep my prime work and sharing of knowledge to reach the goal of the organization.

**ACADEMIC QUALIFICATION**

* **MCA** at B.S. Abdur Rahman University, Vandalur, Chennai with an aggregate of 74**%.**
* **BCA** at Vidhyasagar Women’s College, Chengalpattu with an aggregate of **75%.**
* **HSC** atSri Ramakrishna Mission Girl’s Higher Secondary School, Chengalpattu with an aggregate of **48%.**
* **SSLC** atLittle Jacky Matriculation Higher Secondary School, Chengalpattu with an aggregate of **62.2%.**

**TECHNICAL PROFICIENCY**

**AWS**

* Launching Amazon EC2 Cloud Instances using Amazon Web Services (Linux/ Windows) and configuring launched instances concerning specific applications.
* Worked on services EC2, VPC, S3, ELB, Auto scaling Groups (ASG), EBS, RDS, AMI, IAM, Route 53, Could Watch, SNS, Code Deploy, Code Pipeline, Redshift, Cloud front, cloud trail, EFS, RDS, and Lambda.
* Hands on creating multiple VPCs with public or private subnets as per the requirements
* Created Elastic Load Balancing such as CLB, and ALB to the various instances depending on the traffic.
* Provides virtual machines and we can host our application, Network configuration and storage management.
* Maintained the monitoring and alerting of production and corporate servers using Cloud Watch Agent and created an alert-based mechanism using SNS service
* Configuring and restoring the Instance from AWS backup and creating snapshots to take backups of the volumes and created AMIs to take backups of both volumes and operating system to launch configurations of the EC2 instances.
* Cloud front-speeds up distributions of your static and dynamic web content such as .html and image files to your users.
* Creation of users, groups, roles, policy using IAM service in AWS and implemented MFA to provide additional security to AWS account and its resources.
* Cloud Trail-Log of all actions that have taken place inside your AWS environment.
* Code pipeline-Automates the steps required to release your software changes continuously.
* Create and Manage AWS Instances and Resources Bills.

# AWS Project Details

* Hosted a Static Web application on an EC2 server using Classic Load Balancer and Application Load Balancer
* Created a disaster recovery in two different regions and developed an application using WordPress 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 to securely Access the private zone.

**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.

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.

WORKING EXPERIENCE

* **Company: Kriya IT Private Ltd, Vellore.**
* **Role**: Process Associate
* **Experience From:** 24.11.2019 to 20.10.2021
* **Description**: Content creation and population of content from various sources (including research on the internet), interacting/coordinating with vendors/manufacturers, identifying and correcting errors/complaints, maintaining records of work received and work performed

# 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

**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.

**Declaration:**

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

**Date : Yours truly,**

**Place :**  Chengalpattu

**(G. Mahalakshmi)**