**METTILDA.M**

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**Objectives**

To take up a challenging position in the progressing area where my skills and knowledge are utilized, aiming at the consistent growth of the organization while being resourceful, innovative and flexible.

**Education Qualification**

* ***MCA*** in Infant Jesus College of Engineering and technology Tuticorin (2012) - **83%**
* ***B.Sc.*** (computer science) in Annai Hajira Women’s College Tirunelveli (2009) **– 80%**
* ***HSC*** in St. Joseph’s Girls Hr. Sec. School, Tirunelveli (2006) - 68%
* ***SSLC*** in St. Joseph’s Girls Hr. Sec. School, Tirunelveli (2004) - 81%

**Experience Summary**

* Worked as a ***lecturer*** in the Information technology department for ***2 years*** at Rose Mary college of arts and science at Tirunelveli

**Skills Profile**

**LANGUAGES:** VB, PYTHON

**DATABASE** **:**  MY SQL, SQLITE3, AND MS ACCESS

**OS**  : WINDOWS, LINUX

**Certification courses**

AWS (Amazon Web service), PYTHON, and LINUX are completed in Besant technologies.

**Technical skills**

**Amazon Web Services:**

* Hands-on experience in EC2, VPC, S3, EFS, CloudFront, IAM, RDS, Cloud Watch, Route53, SNS, SQS, CloudTrail, and Redshift.
* Good understanding of Web Applications of IIS and Apache on AWS Serverless web application using Lambda.
* Creating alarms in CloudWatch service for monitoring the server’s performance, CPU Utilization, disk usage etc.
* private networks and sub-networks using Virtual Private Cloud (VPC) and creating security groups to associate with the networks.
* Hand on AMI, Snapshots, and Volumes, and attach the volumes to the instance.

**Projects of AWS:**

* 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.
* Developed a Private Infrastructure using VPC to securely Access the private zone from the public subnet through NAT.
* Hosted a Static Web application for EC2 server using Classic Load Balancer and Application Load Balancer

**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.

**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

**Python Project Description**

**Project:” Student Management System”**

Schools and Universities are the foundation of knowledge and an educational body upon which students rely. Therefore, they need to maintain a proper database of its students to keep all the updated records and easily share information with students.

Most schools and Universities count on an advanced software tool known as 'Student Information System (SIS)' to keep all their student records and administrative operations including, examinations, attendance, and other activities.

Over recent years, the performance and efficiency of the education industry have been enhanced by using the Student Management System. This tool has productively taken over the workload of the admin department with its well-organized, easy, and reliable online school management software.

**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.

**Personal details**

Date of Birth : 10-06-1989

Nationality : Indian

Languages Known : Tamil and English

**Declaration**

I hereby declare that all the above information is true to the best of my knowledge and ability.