# SARATHY K

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# Objective

To pursue my career as an intellectual and hardworking engineer in a well-reputed and challenging environment for my personal and company’s growth.

# Educational Qualifications

## BACHELOR OF ENGINEERING

## Annamalai university, BE in Mechanical Engineering with 72.1 % in 2019

## HIGHER SECONDARY SCHOOL

## RSA Hr. Sec. School, Chidambaram with 68.58 % in 2015.

# Technical skills

**Amazon Web Service:-**

* + - Proficient and hands-on in AWS services like 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, Lambda.
    - Launching Amazon EC2 Cloud Instances using Amazon Web Services (Linux/ Windows) and configuring.
    - Launched instances concerning specific applications.
    - EC2 Instances and configured the storage on S3 buckets.
    - Perform S3 buckets creation, policies and the IAM role-based policies using AWS Cloud watch.
    - Build servers using AWS, importing volumes, launching EC2, RDS, creating security groups, auto-scaling, and load balancers (ELBs) in the defined virtual private connection.
    - Manage amazon redshift clusters such as launching the cluster and specifying the node type as well.
    - Creating alarms in CloudWatch service for monitoring the server’s performance, CPU Utilization, disk sage etc.
    - Setting up private networks and subnetworks using Virtual Private Cloud (VPC) and creating security groups to associate with the networks.

# Operating Systems

* Linux
* Windows

# Certification courses

* + Amazon Web Service (**AWS)** Course Certification from Besant technologies.
  + Linux **(RedHat)** Course Certification from Besant technologies.

# AWS Project Details

* + - 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 the same disaster one will be up and running.
    - To manage and Deploy the Application automatically using CodeDeploy & CodePipeline when the user committed the application(zip file format) in S3.
    - Developed a Private Infrastructure using VPC for securely accessing the private zones.

**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.

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# 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.

# Personal details

# Father’s name : Mr Kannan

# Date of birth : 07/03/1998

Gender : Male (unmarried)

# Permanent Address : No.108; Mariyamman koil Street,

# Keezhakundalapadi, Chidambbaram-608002

# Languages known : Proficient in Tamil, English

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# Declaration

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

Place:

Date : Sarathy.k