**Selvakumar U**

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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**

1. **BACHELOR OF ENGINEERING**

Sri Sairam Engineering College, BE in Mechanical Engineering with 7.06/10 CGPA in 2019.

1. **HIGHER SECONDARY SCHOOL CERTIFICATE**

Green Park matriculation higher secondary school, Namakkal with 93.25% 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.
* **EC2**- Provides virtual machines and we can host our application, Network configuration and storage management.
* **VPC**- Hands-on creating multiple VPCs with public or private subnets as per the requirements.
* **S3**- Created S3 buckets in the AWS environment to store files as an object, which are required to serve static content delivery.
* **ELB**- Created Elastic Load Balancing such as CLB, and ALB to the various instances depending on the traffic.
* **ASG**- Configuring Autoscaling Groups to manage and secure instances from instances down while overloading.
* **EBS**- 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.
* **IAM**- Creation of users, groups, roles, policy using IAM service in AWS and implemented MFA to provide additional security to AWS account and its resources.
* **CloudWatch**- Maintained the monitoring and alerting of production and corporate servers using Cloud Watch Agent and created an alert-based mechanism using SNS service.
* **Code deploy**-Automate code deployments to any instance including Amazon EC2 instances and instances running on-premises.
* **Code pipeline**-Automates the steps required to release your software changes continuously.
* **Snowbal**l-Transfer large amounts of data between Amazon’s simple storage service and your onsite data storage location at faster than internet speeds.
* **Cloud front**-speeds up distributions of your static and dynamic web content.
* **Cloud Trai**l-Log of all actions that have taken place inside your AWS environment.

**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

**Operating Systems**

* Linux
* Windows

**Certification courses**

1. **Amazon Web Service (AWS)** Course Certification from Besant Technologies.
2. **Linux (RedHat)** Course Certification from Besant Technologies.

**AWS Project Details**

1. Hosted a Static Web application for t2 Micro on Ec2 server using Classic Load Balancer and Application Load Balancer
2. 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.
3. To manage and deploy the Application automatically using CodeDeploy and CodePipeline when the user committed the application (zip file format) in S3.
4. Developed a Private Infrastructure using VPC for securely Accessing the private zone.

**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. Uthayakumar.D

Date of birth : 23/05/1998

Gender : Male (unmarried)

Languages known : Proficient in Tamil, English

Permanent Address : No.26; Jamindhar pada Salai Street,

Periyakulam,Theni(Dt)-625601.

**Declaration**

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

Place:

Date: Selvakumar.U