ARAVIND.R

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# PROFFESIONAL SUMMARY

* Having Total **3.6 years** of Experience in IT industry Relevant  **3 years** experience as **DevOps Engineer** in supporting, automating, and optimizing mission critical deployments in AWS, leveraging configuration management, **CI/CD**, and DevOps processes. Implementing cloud strategy in various environments.

#### Setup/Managing Linux Servers/ Windows server / Ubuntu servers on Amazon EC2.

* **Setup/Managing Databases on Amazon RDS**. Monitoring servers through Amazon **CloudWatch**, **SNS**.
* Creating/Managing DNS records on **Amazon Route 53** and go-daddy panel.
* Excellent skills in applying Continuous Integration and Continuous Delivery.
* Create **S3** Buckets for maintaining application logs and also involved in setting Lifecycle policy for managing the logs efficiently.
* Involved in creating Docker Images by writing custom Docker File.
* Excellent skills in applying Continuous Integration, Continuous Deployment and Continuous Delivery processes & tools **GIT, Maven, Jenkins, Ansible, Tomcat, Docker, Kubernetes** etc.
* Worked on **Jenkins** by installing, configuring and maintaining for the purpose of continuous integration **(CI)** and for End-to-End automation for all build and deployments.
* Having basic knowledge of Python Technologies.
* Used **Ansible** for Configuration Management.
* Managed **GitHub** repositories and permissions, including **branching** and **tagging**.
* Excellent working knowledge on various virtual systems/ like **Docker** technologies.
* Containerizing applications with Docker. Responsible for managing the Docker private registry and having good knowledge of maintaining containers.
* Having Good experience in Amazon Web Services environment and good knowledge of AWS services like **Elastic Compute Cloud (EC2), Elastic Load Balancers, IAM, S3, Cloud Front, RDS, VPC, Route53, Cloud Watch, Cloud Formation**.
* Utilized Cloud Watch to monitor resources such as **EC2, CPU memory, EBS volumes**; to set alarms for notification or automated actions; and to monitor logs for a better understanding and operation of the system.
* Worked on optimizing volumes and EC2 instances and created multiple **VPC’S**
* Implementation of **NAT gateways** for Webapps hosted in private subnets.
* Created Alarms and notifications for EC2 instances using **Cloud Watch**.
* Designing and Deploying Highly scalable infrastructure using **ELB** and **Auto Scaling services**.
* Setup and managed **security groups**, **VPC** specific to environment.
* Creating **S3 buckets** and also managing policies for S3 buckets and Utilized S3 bucket and **Glacier** for storage and backup on AWS.
* Created **AMI images** of critical EC2 instances as backup using AWS CLI and GUI.

# TECHNICAL SKILL

* **OPERATING SYSTEM :** LINUX/UBUNTU, WINDOWS SERVER
* **CONFIGURATION AND**

**MANAGEMENT :** ANSIBLE, TERRAFORM

### TOOLS

* **CONTAINERAIZATION :** DOCKER, KUBERNETES
* **CI/CD INTEGRATION :** JENKINS

### SOURCE CODE MANAGEMENT : GIT

* **BUILD TOOLS :** MAVEN
* **DEPLOYMENT TOOLS / SERVERS :** APACHE TOMCAT
* **DATABASE SQL :** MYSQL**,** SQL SERVER 2012
* **PUBLIC CLOUD :** AMAZON WEB SERVICES
* **ATLASSIAN TOOLS :** SERVICE NOW
* **REPOSITORY TOOLS :** DOCKERHUB, GITHUB
* **CODE QUALITY TOOL :** SONARQUBE
* **SCRIPTING :** SHELL SCRIPTING
* **SECURITY TOOLS :** IAM, ACM
* **MONITORING TOOLS :** SPLUNK, CLOUD WATCH

# EDUCATION QUALIFICATION

## BACHELOR OF ELECTRONICS AND INSTRUMENTATION ENGINEERING

Sathyabama University 2014-2018

CGPA - 6.5

## HIGHER SECONDARY

Christ the king matriculation higher secondary School. 2012-2014

Percentage - 62%

## SSLC

Christ the king matriculation higher secondary School. 2011-2012

Percentage - 70%

# PROJECTS HANDLED

## PROJECT 1

**CLIENT :** NFU Mutual

**DOMAIN :** INSURANCE

### ROLES AND RESPONSIBILITES :

* Set up integrated environments for **GitHub** and **AWS** Environments.
* Launching Amazon **EC2** Cloud Instances using Amazon Web Services (**Linux/ CentOS**) and Configuring launched instances with respect to specific applications.
* Installed application on AWS EC2 instances and also configured the storage on **S3 buckets**.
* Implemented and maintained the monitoring and alerting of production and corporate servers/storage using **AWS Cloud watch.**
* Coordinate or assist the developers with establishing and applying appropriate **branching**, **merging** conventions by using **Github.**
* Installing and configuring **GIT**, **Jenkins**, Deployment and automation.
* Maintaining the **source code** in **GIT** for various applications.
* Responsible for creating the **branches** and **tagging** the code.
* Supporting the developers in configuration management environment .
* **Jenkins** is used as a Continuous Integration tool for automation of daily process.

## PROJECT 2

**CLIENT :** SPIRE HEALTH CARE

**DOMAIN :** HEALTH CARE

### ROLES AND RESPONSIBILITES

* Linux/Windows/Ubuntu servers on Amazon **EC2** & monitor through **SNS** & **Amazon Cloud Watch**.
* **Creating**/**Managing AMI**/**Snapshots**/**Volumes**, Upgrade/downgrade AWS resources (CPU, Memory, EBS). Setup/Manage Databases on **Amazon RDS.**
* Used **Ansible** to do configuration and to automate deployments.
* Worked on creating **Kubernetes** cluster from end to end.
* Manage and configure AWS services as per the business needs (**ELB, Route53, S3, Cloud Watch, IAM, VPC**) in Global infrastructure.
* Handling L1 and L2 level issues, involved in the client calls, done several deployments, resolving the tickets to ensure system availability as per multiple Service Level Agreements (SLA).
* Worked on **Pod** Creation and managing Containers.
* Implemented continuous delivery pipeline involving **Jenkins**, **Ansible** to complete the automation from commit to deployment.
* Assisted developers with establishing and applying appropriate branching, labelling convection's using **GIT** source control.
* Implemented and supported **CI** process via **Jenkins**.
* Administrated and Implemented CI tools Jenkins for automated builds and also integrating Unit tests and Code Quality Analysis Tools like **SonarQube**.
* Hands on working experience on Web Server (**Apache**), Application Servers (**Tomcat**), DB Server (**MySQL**)

# WORK EXPERINCE

Aspire Systems - (Sep 2018 – Till Date)

**PLACE :** Chennai **R.ARAVIND**