# ARAVINDAN.E

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## PROFFESIONAL SUMMARY

- Having Total **3.8 years** of Experience in IT industry Relevant **3.2 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 using Docker swarm.
- 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.
- Utilize **EBS** to store persistent data and mitigate failure by using snapshots..

# TECHNICAL SKILL

- **OPERATING SYSTEM** : LINUX /UBUNTU, WINDOWS SERVER
- **CONFIGURATION AND MANAGEMENT** : ANSIBLE, TERRAFORM,CLOUD
  **TOOLS FORMATION.**
- **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, POSTGRES
- **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, PROMETHEUS, CLOUD WATCH.

# EDUCATION QUALIFICATION

### BACHLOOR OF CIVIL ENGINEERINS

SA Engineering college.                                    2014-2018
CGPA 5.7

### HIGHER SECONDARY

Sethu Baskara matriculation higher secondary School.     2012-2014
Percentage 61%

### SSLC CBSE

GK Sheety Vivekananda Vidyalaya Junior College.          2011-2012
Percentage 66%

# PROJECTS HANDLED

### PROJECT 1

**CLIENT** : VAVISTA
**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                          **:** HUMA
DOMAIN                          **:** HEALTH CARE

**ROLES AND RESPONSIBILITES :**

- Linux/Windows/Ubuntu servers on Amazon **EC2** & monitor thru **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 **Jenkin**.
- 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

## ORION INDIA SYSTEM PRIVATE LIMITED

**Position**           **:** DevOps Engineer
**Duration**           **:** FEB 2019 Till now
**Experience**         **:** 3.2 Years

## ORION INDIA SYSTEM PRIVATE LIMITED

**Position**           **:** System support
**Duration**           **:** SEP 2018 – FEB 2019
**Experience**         **:** 0.6 Year

**PLACE:** Chennai                                                **E.ARAVINDAN**