

## CURRICULAM VITAE

N Aravind

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### Carrier Objective:

IT Professional with 5.2+ Years of experience and working in Cyient Ltd as DevOps Engineer, Skilled in software configuration management which includes Project Setup, Build & Release process setup, Build Automation, Continuous Integration, AWS and DevOps.

### Summary of my career:

- Working in **Cyient** and having **5.2+ years** of IT experience as **AWS/DevOps Engineer**.
- Experience in Working with Public Cloud Platform like Amazon Web Services
- Launching the AWS **EC2** instances.
- Working on **VPC, Load Balancers, Cloud Formation**.
- Creating and managing the **S3** buckets
- Creating and managing **EBS and instance store**.
- Having hands on experience in AWS services such as **EC2, EBS, ELBs, Auto Scaling, S3, IAM, VPC, Route53, CloudWatch, SNS, RDS and CloudFront**.
- Good experience on Design and implemented configuration management (SCM) management methodologies using Jenkins.
- Configured **CI/CD** tools **Jenkins**, Maven and Git Hub repository for the continuous smooth build process.
- Deploying, configuring, managing, maintaining, a Master and Slave machines using Jenkins.
- Experience in **Docker container** management like Volumes, Images, Repositories.
- Hands on Experience in Scheduling, deploying, securing, networking and storage in Kubernetes cluster.
- Building the Docker Images using **Dockerfile** while Building the application using Maven in Jenkins.
- Handled multiple environments builds to create build setup and perform deployment activities.
- Configuration of Jenkins CI tool for automated build and Integrating Jenkins with Docker.
- Build Management – Experience in tools such as Jenkins, Maven.
- Having good Experience in DevOps tools like **Ansible** for Deployment on Multiple platforms.
- Experience in installing and configuring an automated tool **Ansible** that included installation and configuration of the Controller, managing nodes.
- Successfully managed over 120 microservices across multiple **Kubernetes clusters**, ensuring optimal performance and availability.

- Expertly created **Kubernetes objects** such as Deployments and Services to deploy and manage microservices.
- Constructed a **new EKS cluster** from scratch to meet specific environment requirements.
- Implemented an optimized fleet of instances as nodes to enhance the performance and availability of the EKS cluster.
- Deployed the EFK stack to monitor logs.
- Utilized **Grafana and Datadog** to monitor cluster health.

## SKILLS

**Operating System:** Windows,

LINUX(Ubuntu/CentOS)

**Configuration Tool:** Ansible, Terraform

**CI/CD Tools:** Jenkins, GitLab.

**Database:** MySQL.

**Version Control Tools:** GIT, GitHub, GitLab

**Virtualization technologies:** VirtualBox and Vagrant

**Programming languages:** Shell scripting, Bash.

**Containerization Tool:** Docker, Kubernetes.

**Cloud Technologies:** AMAZON WEB SERVICES(AWS), Azure Cloud.

**Softwares:** Apache2, Tomcat, Nginx

**Build Tool:** Maven

**Test automation tools:** SonarQube.

**Monitoring and Debugging:** Nagios

## Experience:

### Project 1

Company Name	:	Genex technologies
Client Name	:	IBM
Project(S) Name	:	Bank of America (Banking)
Team Size	:	9 members
Role	:	DevOps Engineer
Duration	:	15th July 2020 – 25th April 2023

## Roles and Responsibilities:

- Involved in Create/Enhance/automate build and deployment processes for each release and backup, restore and upgrade.
- Handled multiple environments builds to create build setup and perform deployment activities.
- Integrated delivery (**CI and CD process**) Using Jenkins.
- Building the source code using **Git and Jenkins**.

- Built and Deployed **Java/J2EE** to a web application server in an Agile continuous integration environment and automated the whole process.
- Using Jenkins as a part of continuous integration tool for automation of daily process.
- Configure and monitoring the nightly auto deploy builds in Jenkins for the **DEV and QA teams**.
- Utilized **Grafana and Datadog** to monitor cluster health.
- Successfully managed over 120 microservices across multiple **Kubernetes clusters**, ensuring optimal performance and availability.
- Build and deployment scripts according to SCM team standards and processes to QA, Performance and Production Environments.
- Expertly created **Kubernetes objects** such as Deployments and Services to deploy and manage microservices.
- Integrate delivery (CI and CD process) Using Jenkins.
- Working with dev teams during **git merge issues**.
- Coordinating with DEV teams during compile time issues while building code for generating **artifacts to release**.
- Liaising with different teams during deployment activities in different work environments.
- **Troubleshooting compile time and runtime issues** during deployments.
- Providing 24x7 Production Support on a rotation basis.
- Developing the utility scripts to effectively reduce the time and manual effort.
- Contributing in the DevOps team to maintain and build out our infrastructure and servers currently operating on AWS platforms.
- Create highly available and scalable infrastructure in **AWS** cloud by using various AWS services like **EC2, VPC**
- Configured AWS EC2 Instances using **AMIs** and launched instances with requirements of specific applications.
- Launching the **AWS instances, Creating security groups**.
- Creating and managing the **S3 buckets, Creating the SQS queues**.
- Creating and managing **EBS and instance store. Taking and managing AMI's**.
- Involved in Create/Enhance/automate build and deployment processes for each release and backup, restore and upgrade.
- Used Docker for setting up application specific container to the Testing environment on the Developer environment.
- Building the **Docker Images using Dockerfile** while Building the application using Maven in Jenkins and pushing the image to registry.
- Configuration of Jenkins **CI tool** for automated build and Integrating Jenkins with Docker.
- Helped teams move **cronjobs/scheduler to Jenkins & configure jobs**
- Deployments to all above environments based on weekly scheduled build.

## **Project 2**

Company Name : Genex technologies  
Client Name : IBM  
Team Size : 15 members  
Role : DevOps Engineer  
Duration : 20th Feb 2018 to 10th July 2020

### **Roles and Responsibilities:**

- Build and deployment scripts according to SCM team standards and processes to QA, Performance and Production Environments.
- Integrate delivery (CI and CD process) Using Jenkins.
- Working with dev teams during git merge issues.
- Coordinating with DEV teams during compile time issues while building code for generating artifacts to release.
- Liaising with different teams during deployment activities in different work environments.
- Troubleshooting compile time and runtime issues during deployments.
- Providing 24x7 Production Support on a rotation basis.
- Developing the utility scripts to effectively reduce the time and manual effort.
- Contributing in the DevOps team to maintain and build out our infrastructure and servers currently operating on AWS platforms.
- Involved in Create/Enhance/automate build and deployment processes for each release and backup, restore and upgrade.
- Handled multiple environments builds to create build setup and perform deployment activities.
- Integrated delivery (CI and CD process) Using Jenkins.
- Building the source code using Git and Jenkins.
- Built and Deployed Java/J2EE to a web application server in an Agile continuous integration environment and automated the whole process.
- Using Jenkins as a part of continuous integration tool for automation of daily process.
- Configure and monitoring the nightly auto deploy builds in Jenkins for the DEV and QA teams.
- Create highly available and scalable infrastructure in AWS cloud by using various AWS services like EC2, VPC
- Configured AWS EC2 Instances using AMIs and launched instances with requirements of specific applications.
- Launching the AWS instances, Creating security groups.
- Creating and managing the S3 buckets, Creating the SQS queues.
- Creating and managing EBS and instance store. Taking and managing AMI's. Involved in Create/Enhance/automate build and deployment processes for each release and backup, restore and upgrade.

- Used Docker for setting up application specific container to the Testing environment on the Developer environment.
- Building the Docker Images using Dockerfile while Building the application using Maven in Jenkins and pushing the image to registry.
- Configuration of Jenkins CI tool for automated build and Integrating Jenkins with Docker.
- Helped teams move cronjobs/scheduler to Jenkins & configure jobs
- deployments to all above environments based on weekly scheduled build.
- Configured/Integrated Jenkins with Git to pull codes and Maven to push artifacts to AWS S3.

**Personal Details:**

<b>Date of Birth</b>	09-Sep-1994
<b>Nationality</b>	Indian
<b>Languages Known</b>	English, Hindi, Telugu
<b>Marital Status</b>	Single
<b>Location Preference</b>	Hyderabad, Chennai & Bangalore

**Declaration:**

I do hereby solemnly affirm and state that above details are true to the best of my knowledge and that I have not withheld any relevant particulars.

**Date:**

**N Aravind**