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.

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| **SKILLS**  **Operating System:** Windows, | **Containerization Tool:** Docker, Kubernetes. |
| LINUX(Ubuntu/CentOS) | **Cloud Technologies:** AMAZON WEB |
| **Configuration Tool:** Ansible, Terraform | SERVICES(AWS), Azure Cloud. |
| **CI/CD Tools:** Jenkins, GitLab. | **Softwares:** Apache2, Tomcat, Nginx |
| **Database:** MySQL. |  |
| **Version Control Tools:** GIT, GitHub, GitLab | **Build Tool:** Maven |
| **Virtualization technologies:** VirtualBox and | **Test automation tools:** SonarQube. |
| Vagrant | **Monitoring and Debugging:** Nagios |
| **Programming languages:** Shell scripting, Bash. |  |

# 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 &amp; 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 &amp; 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:

**Date of Birth** 09-Sep-1994

**Nationality** Indian

**Languages Known** English, Hindi, Telugu

**Marital Status** Single

**Location Preference** 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