NIKETHAN D

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PROFESSIONAL

Around 3.10 years of experience with a strong emphasis, where I can use my current skill set, ability to learn quickly, and desire to define and create the best solutions possible to become an invaluable asset to the company.

PROFILE SUMMARY

- Experienced and Innovative **DevOps Engineer** with **3 Years** of expertise in Software Configuration, Release Management, Building & Deploying Software. Automation, Control & Environment Management activities in Web & Enterprise Application.
- Knowledge in **Linux**.
- Well versed in maintaining the code base for each project using SCM tools like **GitHub** and **GitLab**
- Expertise in using build tools like **Maven** for the building of deployable artifacts such as **War** & **Ear** from source code
- Experience in integrating Unit Tests and Code Quality Analysis Tools like **SonarQube** as per client requirement
- Experience in using **Nexus** Repository Manager for **Maven** builds
- Experience in Configuring and deploying to Application Servers **Tomcat**.
- Experience in using **Apache** & **Nginx** web servers for deployments and hosting
- Administration/Maintenance experiences of Continuous Integration build engine Jenkins Deploying, configuring, managing, maintaining, a Master and Slave machines using **Jenkins**
- Experience in managing project environments like **DEV, QA, UAT, PRE-PROD** and **PROD** for various releases and designed instance strategies
- I Have a Configuration Management tool **Ansible**, have written **Ansible Playbooks** in **Yml/Yaml** script to configure servers & deploying applications
- Working experience(POC) in **Docker** Containerization tool and deployed applications using containers in various environments
- Expertise in creating **Docker** Images and maintaining Docker Images in private artifactory repository **Nexus**
- Experience in working with Docker Swarm Container Orchestration tool to deploy & maintain containers
- Experience in Amazon **AWS** Cloud Administration which includes services like **EC2, S3, VPC.**
- Experience in Setup/Managing **VPC** creating **Public & Private Subnets** connecting two different **VPC** using **VPC Peering**
- Experience in creating Amazon **AWS EFS** to mount a running **Docker Container** in order to take data backup
- Hands on experience in **Nagios**, **Splunk, Dynatrace, Hazel cast, ECO pipeline, Grafana.**
- Hands on experience in **Kubernetes** container orchestration.
- I have a good Knowledge in Automation Domain.

ORGANISATIONAL EXPERIENCE

May'2019-Till Date Nostrum IT Services Pvt Ltd,Bangalore.

Key Result Areas:

- **DevOps** Engineer for a team that involved different development teams and multiple simultaneous software releases

- Developing and implementing software release management strategies for various applications according to the **Agile** Process
- Participating in weekly release meetings with technology stake holders to identify and mitigate potential risks associated with the releases
- Responsible for daily builds/deployments from Integration environment through staging environment
- Interacting with developers and Enterprise Configuration Management Team for changes to best practices and tools to eliminate non-efficient practices and bottlenecks
- Coordinating with Release Management regarding appropriate system releases among other development platforms
- Configuring and maintaining the source code management repository **GitHub**
- Managing Version Control **Git** and automated current build process with **Jenkins** with proposed branching strategies to accommodate code in various testing cycles
- Configuring the **Maven** build tool for creating the war, jar files which are automated through **Jenkins CI** process
- Setting up **Maven** proxy repositories in **Nexus** artifactory to download dependency for the projects using **Nexus proxy** repository which is scheduled in **Jenkins** for continuous integration
- Used **Maven** distribution management system to push created artifacts to snapshot and release repository
- Responsible to creating Maven and build scripts for Java EE application to produce the build artifacts proved
- (. jar, .ear and .war) files from the source code and tweak the scripts as per the requirements.
- Generating Project code quality HTML report by pushing the project code to **SonarQube** code quality monitoring tool
- Creating build and deployment jobs in Jenkins for various project modules
- Creating **CI/CD** pipelines scripts by integrating **GitHub**, **Maven**, **Jenkins** and more
- Administering **Jenkins CI/CD** build engine for deploying, configuring, managing, maintaining jobs as per project's requirements
- Configured automated builds like **Webhooks**, **Poll SCM** in **Jenkins** to meet project's build requirement
- Running environment-based jobs by configuring **Jenkins** Master-Slave technique, which builds jobs in Slave machines and automates deployment in specific environments based on pipeline script
- Configuring **Docker** with **Nexus private** repository to pull its images through docker proxy and pushing created docker images containing applications to docker hosted repository
- Creating **Docker images** embedded with (.jar, .war,. ear) applications with its hardware and software dependency
- Maintaining a backup of created **Docker Image** in **Nexus private** repository and deploying the containers in various environments using docker-compose feature
- Configuring **Docker Swarm** to manage containers running on deployment serves
- Updating changes and deploying applications in deployment servers by using **Ansible** Configuration Management tool by using ansible **yml/yaml** script
- Working within the **AWS** Cloud for configuring a secure **VPC** by creating private and public subnets in **AWS**
- Configuring **VPC** Peering to share data between different **VPC** to maintain data's using **AWS EFS**
- Familiar in working on the tickets raised by **Jira** ticketing tool, troubleshooting problems and working on new projects

#**Project 2:**

Client	State Farm Insurance
Role	DevOps Engineer

Period	Seot 2020 to TILL DATE
Environ ment	Linux,ShellScripting,Git,GitHub,Maven,SonarQube,Nexus,Tomcat,WildFly,Jenkins,Docker,DockerSwarm,Ansible,Jira,NewRelic,AWS

Roles & Responsibilities:

- **DevOps** Engineer for a team that involved different development teams and multiple simultaneous software releases

- Developing and implementing software release management strategies for various applications according to the **Agile** Process

- Participating in weekly release meetings with technology stake holders to identify and mitigate potential risks associated with the releases

- Responsible for daily builds/deployments from Integration environment through staging environment

- Interacting with developers and Enterprise Configuration Management Team for changes to best practices and tools to eliminate non-efficient practices and bottlenecks

- Coordinating with Release Management regarding appropriate system releases among other development platforms

  Configuring and maintaining the source code management repository **GitHub**

- Managing Version Control **Git** and automated current build process with **Jenkins** with proposed branching strategies to accommodate code in various testing cycles

- Configuring the **Maven** build tool for creating the war, jar files which are automated through **Jenkins CI** process

- Setting up **Maven** proxy repositories in **Nexus** artifactory to download dependency for the projects using **Nexus proxy** repository which is scheduled in **Jenkins** for continuous integration

- Used **Maven** distribution management system to push created artifacts to snapshot and release repository

- Responsible to creating Maven and build scripts for Java EE application to produce the build artifacts proved

- (. jar, .ear and .war) files from the source code and tweak the scripts as per the requirements.

- Generating Project code quality HTML report by pushing the project code to **SonarQube** code quality monitoring tool

- Creating build and deployment jobs in Jenkins for various project modules

- Creating **CI/CD** pipelines scripts by integrating **GitHub**, **Maven**, **Jenkins** and more

- Administering **Jenkins CI/CD** build engine for deploying, configuring, managing, maintaining jobs as per project's requirements

- Configured automated builds like **Webhooks**, **Poll SCM** in **Jenkins** to meet project's build requirement

- Running environment-based jobs by configuring **Jenkins** Master-Slave technique, which builds jobs in Slave machines and automates deployment in specific environments based on pipeline script

- Configuring **Docker** with **Nexus private** repository to pull its images through docker proxy and pushing created docker images containing applications to docker hosted repository

- Creating **Docker images** embedded with (.jar, .war,. ear) applications with its hardware and software dependency

- Maintaining a backup of created **Docker Image** in **Nexus private** repository and deploying the containers in various environments using docker-compose feature

- Configuring **Docker Swarm** to manage containers running on deployment serves

- Updating changes and deploying applications in deployment servers by using **Ansible** Configuration Management tool by using ansible **yml/yaml** script

- Working within the **AWS** Cloud for configuring a secure **VPC** by creating private and public subnets in **AWS**

- Configuring **VPC** Peering to share data between different **VPC** to maintain data's using **AWS EFS**

- Familiar in working on the tickets raised by **Jira** ticketing tool, troubleshooting problems and working on new projects

- Configure Server monitoring tool like **New Relic** to monitor server's CPU availability, Database load

#<u>Project 1:</u>

Client	Morgan Stanley
Role	DevOps Engineer
Project	May 2019 to Aug 2020
Environment	Linux**,**Git**,**GitHub**,**Ant**,**SonarQube,Jenkins,Tomcat**,**Jira**,** NewRelic

<u>Roles & Responsibilities</u>:

- **DevOps** Engineer for a team that involved different development teams and multiple simultaneous Software Releases

- Developed and implemented software release management strategies for various applications according to the **Agile** Process

- Maintaining the source code in **Git** for various application

- Installing and configuring **Git, Jenkins** for deployment and automation

- Identify the root cause to resolve problems

- Administering merge, build and deployment of the codes in all the environments

- Responsible for creating the branches and tagging the code in **GitHub**

- To configure and maintain codebase to support the build and deployment of code on application servers

- Supporting the developers in configuration management environment

- Configuring quality gates and quality profiles, as per client's requirement in Code Quality tool **SonarQube** and generating HTML report for the projects

- **Jenkins** is used as a Continuous Integration/Continuous Delivery tool for automation of daily process

- Configured and maintained **Jenkins** to implement the **CI/CD** process and integrated **Jenkins** with **Ant** to perform scheduled builds and automates the deployment on the application servers using the "code deploy" plugin in Jenkins

- Responsible for the plug-in Management. User Management, Build/Deploy, Pipeline Setup and End-End job Setup of all the projects

- Created and maintained the Shell deployment scripts for web application servers

- Developed Shell scripts for automation of the build and release process

- Involved in the release process and deployed applications (.jar & .war) to the Tomcat Application Server

- Familiar in working on the tickets raised by **JIRA** ticketing tool, troubleshooting problems and working on new projects

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ACADEMIC DETAILS

➢ 2018:B.E(Bachelor of Engineering): ECE – Visvesvaraya Technological University.

Date of Birth: 11th September 1995
Languages Known: English,Kannada And Telugu.
Mailing Address: C/O T.Venkatesh 1st Main 2nd Cross Near Impana Hospital Ramanagara-562159.

(Please refer to Annexure for Knowledge Purview)
ANNEXURE

KNOWLEDGE PURVIEW

- Proficient in:
  - Windows/AIX/Solaris and Linux
  - AWS Cloud Technology
  - Datacentre Maintenance
  - IT Hardware Installation/Maintenance/Upgrade

Tools/ Software:
- Operating Systems : Linux (Red hat, Centos, Ubuntu, SUSE) and Windows.
- Cloud Platforms : AWS, AZURE, GCP.
- Containerization : Docker, Kubernetes, Docker Swarm, ECS, AKS.
- Scripting Language : Shell, Python, Bash.
- SCM Tool : Bit bucket, Docker Hub Repository and AWS Code commit GIT.
- Build Tools : Maven, NPM.
- Application Servers : Apache Tomcat,
- Web Servers : Apache, Tomcat Server, httpd, IIS
- CI&CD Tools : Jenkins, Bamboo.
- Data Base : MS SQL Server , My SQL , Mongo DB
- Configuration Management Tools : Ansible. Chef
- Vulnerability : SonarQube.

STRENGTHS

- Well-disciplined and dedicated.
- Ability to work as an individual and also in a team.
- Quick Learner, Flexibility and ability to adapt to new technologies.