**DevOps & AWS Engineer**

**Prudhvi Teja P**

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# Summary:

Having around **4** years of experience in the IT Industry as a **DevOps** and **AWS** Engineer. Possessing excellent programming skills summed up with strong knowledge in **Linux, Shell Scripting, DevOps, Jenkins, Maven, Git, Ansible, Docker, Kubernetes, Apache, Tomcat, Amazon Web Service s (AWS)**.

# Professional Summary:

* Having **around** 4 years of experience as a **Build and Release/DevOps Engineering**

automation, build, deploy and release process with various environments.

* Manage version control tool **Git** to version code changes to help developers/programmers branch/merge/revert code.
* Experienced in design and maintenance of the **GIT** repositories
* Developed Build and Release management - **GIT, Maven, and Jenkins administration.**
* Responsible for nightly and weekly builds for different modules in **Jenkins**.
* Used **MAVEN** as a build tools on java projects for the development of build artifacts on the source code.
* Install and configure the static analysis tool like **SonarQube** in Dev. region to generate the reports.
* Configured Elastic Load Balancers with **EC2** Auto scaling groups.
* Implemented AWS solutions using **E2C, S3, EBS, Elastic Load Balancer, and Auto scaling Cloud Watch**, **RDS, ECR, and ECS.**
* Optimized volumes and EC2 instances.
* Configured **S3 versioning** and lifecycle policies to and backup files and archive files in Glacier.
* Used **IAM** to create new accounts, roles and groups.
* Created monitors, alarms and notifications for EC2 hosts using **Cloudwatch.**
* Created utilities to monitor continuous integration process (job failure rate, disk usage), coded changes in Git & job failures in Jenkins.
* Experience in creating life cycle policies in AWS S3 for backups to Glacier.
* Experience in assisting Applications & teams across Remote and Local geographical locations as part of Support experience in creating complex **IAM** policies for delegated administration within AWS.
* Worked on core AWS services such as Setting up new server (EC2) instances/services in AWS, configuring security groups, and setting up Elastic IP's, auto-scaling configuration.
* Responsible for operational support activities to ensure availability of customer websites hosted on AWS cloud infrastructure using Virtual private cloud and public cloud.
* Set up the scripts for creation of new snapshots and deletion of old snapshots in S3 using S3 CLI tools.
* Worked on setting up the life cycle policies to back the data from AWS S3 to AWS Glacier.
* Worked with Amazon IAM console to create custom users and groups.
* Deployment automation using **Jenkins** and **Ansible**.
* Automation experience in a language like **shell**.
* Experience deploying and supporting continuous integration and continuous delivery using

### Jenkins.

* Configuration management tool experience with **Ansible.**
* Implementing a Continuous delivery framework using **Jenkins, Ansible, & Maven** in

### Linux environment.

* I have good knowledge on **Kubernetes** regarding automated deployments, scaling and management of containerized application across cluster of hosts.
* Good Experience to develop images using **Docker** container Technology.
* Experience in Monitoring teams to identify and troubleshoot issues on servers using tools like

**Nagios.**

# EDUCATION:

### B.Tech from Jawaharlal Nehru Technological University Anantapur.

**PROFESSIONAL EXPERIANCE:**

* Currently working as a DevOps Engineer in Iron Mountain Services Pvt Ltd. from January 2018 to till date.

# Technical Skills:

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| --- | --- |
| **Operating Systems** | Windows, Red Hat Linux, CentOS, Ubuntu |
| **Application Server** | Apache Tomcat |
| **Version Control Tool** | GIT |
| **Continuous Integration Tool** | Jenkins |
| **Code Review Tool** | Sonar Qube |
| **Build Tool** | Maven |
| **Scripting** | Shell Scripting |
| **Process** | Agile (Scrum Team) |
| **Monitoring Tools** | Nagios, Cloudwatch. |
| **Cloud Environment** | AWS. |
| **DevOps Tools** | Git, Github, Maven, Jenkins, Ansible, Kubernetes, Sonarqube, Nexus, Jfrog, Docker. |

**Project Details:**

## Project-2

Project Name : Cloud Design Solutions (CDS) Client : Digital Telecommunications Role : DevOps and AWS Engineer.

Environments : Jenkins, Git, Linux, Maven, Shell scripting, Ansible, Docker, Kubernetes, AWS.

### Description:

Digital Telecommunications Phils., Inc., commonly known as Digital, was the second-largest fixed- line and the third-largest mobile telecommunications company in the Philippines. It is also the company that owns Sun Cellular, a mobile phone service.

The company is a subsidiary of PLDT, one of the country's largest conglomerates.

### Roles and Responsibilities:

* Setting up **EC2s**, Creating **VPCs**, modifying route tables accordingly, Creating ELBs and configuring them to work on the service ports as per the application’s need.
* Experience working on several Docker components like **Docker Engine**, Hub, Machine and

### Docker Registry.

* Created Docker files and build images and push to the Docker private registry
* I worked on build tools such as **Maven** and I worked on configuration Management tools as Ansible and to deploying the packages in to servers.
* Manage configuration of Web App and Deploy to Ansible**.**
* Experienced with Nagios, Cloud Watch as IT Infrastructure Monitoring tool .
* Coordinate/assist developers with establishing and applying appropriate branching, merging conventions using **GIT** source control.
* Configured and maintained **Jenkins** to implement the **CI** process and integrated the tool with **Maven** to schedule the builds and automated the deployment on the application servers using the “code deploy” plugin for Jenkins.
* I am creating **Kubernetes** manifest files like **pod, service, daemon sets, replica sets, replica controller, and deployments.**
* Involved in fixing the **Bugs** in the build script.
* **Continuous Delivery** is being enabled through **Deployment** into several environments of Test, QA, Stress and Production using **Jenkins**.
* Automate the builds and deployment of **projects** using Jenkins.
* Implement, maintain and support reliable, timely and reproducible builds for project teams
* Hands on experience in automating builds and deployment process using Shell scripting.

## Project -1

Project Name : wyndhamworldwide

Role : DevOps and Release engineer

Client : wyndham (USA)

Role : Build & Release Engineer

### Description:

Wyndham Destinations is an American hospitality company. It is the holding company for RCI and other lodging brands. It was spun off from Cendant Corporation in July 2006. Wyndham Destinations, headquartered in Orlando, Florida, operates several hotel brands around the world.

Responsibilities:

* Created best practices for branching & Merging Strategy to maintain the source code in the GIT version Control Systems.
* Responsible for creating branches, merging and resolving merging conflicts.
* Implementation/setup continuous project build and deployment delivery process using Subversion, Git, Jenkins, Tomcat.
* Administered the automatic build process to ensure correct build execution, and resolved the build issues.
* Configuring new jobs in Jenkins as per the requirement from dev team.
* Automated build & deployment and CI process for many projects from scratch. Wrote build files and created jobs in Jenkins.
* Configuration of nodes/slaves for Jenkins to optimize and smooth running of build jobs.
* Configuration of Build Automation tools and Continuous Integration concepts by using tools like ANT, Maven, Jenkins. .
* Was involved in creating Docker Containers, images & taking back-up of images in Docker- Hub.
* Amazon Web Services (AWS) and with the configuration of various Amazon products (Amazon EC2, Amazon IAM, Amazon AMI, Amazon S3 , ELB ,Auto Scaling)
* Creating Ansible playbook.
* Configuration of Ansible and creating run-list for each node.
* Configuration of Groups, roles and creation and assign to particular node

### Date: Prudhvi Teja P

### Place: