# **Summary**

* **Having xxx years of experience as DevOps Engineer with exposure to Software Configuration Management, Build and Release Management, continuous Integration and Deployment.**
* Experience in managing applications using **AWS Cloud** which includes services like: EC2, S3, EBS, VPC, ELB, AMI, SNS, SQS, RDS, IAM, Route 53, Cloud Front, Cloud Watch, Cloud Formation, Security Groups, ACL, NAT GW, VPN.
* Configuring **EC2** Instances and maintaining storages for instances.
* Administering AWS resources by creating **IAM** policies for different users, groups and roles.
* Experience working with Ansible for configuration management and application deployments.
* Experience with setting up **Ansible** Infrastructure, writing Playbooks and uploading Playbooks and roles.
* Expertise in DevOps, Release Engineering, Configuration Management, Cloud Infrastructure, Automation. It includes Amazon Web Services (AWS), Ant, Maven, Jenkins, Ansible, Docker, Chef, GitHub, Tomcat, Jira, Nagios & Linux etc.
* Configuring Jenkins job with related plugins for Testing, Artifact, and Continuous Deployment to accomplish the complete CI / CD.
* Hands on experience in automating CI & CD pipeline using Jenkins tools.
* Experience with Amazon Web services Creating, configuring and Managing EC2, IAM, S3, ELB services across AWS Zone.
* Experience in using version control tools like GIT, GIT HUB.
* Hands on experience to setup, configure continuous build processes using Jenkins, Maven, Git.
* Experience with build tool Maven for writing pom.xml’s respectively.
* Automated Deployment to all environments (Dev, QA, Performance Test and Staging/UAT, SIT, Release, PROD).
* Experience in Configuring and deploying to Application servers Apache Tomcat.
* Perform deployments to multiple environments like Dev, QA, SIT, UAT, Release and PROD environments.
* Experience in implementing and adapting to Release/Change Management Process.
* Familiar with Software Development Life Cycle (SDLC) processes
* Created **docker** files to containerizing the application and customize the docker images.
* Experience in Docker images, containers, volumes, links and Docker compose.
* Experience in configure dynamic Jenkins slaves by using docker and knowledge on AWS check point, Guard duty.
* Worked on build and deployment of the **Java** applications onto different environments like Dev, pre-Prod, and Prod.
* Hands-on experience creating and managing the various development and build platforms, and deployment strategies.
* Building and Managing the production ready **Kubernetes** cluster set-up with 300+ containers.
* Managing the different environments in same Kubernetes set-up using the namespaces.
* Good Experience in interlinking multiple Jenkins jobs with pipeline, integrated sonar to run as part of Jenkins build job, monitoring nightly builds and daily builds and Deploy with different environment like QA, UAT, DEV.
* Professional Experience on Containerization tool like **Docker**, Writing Docker files for creating Docker images and containers for different Environments.
* Experience in Installing, configuring and maintaining **Apache/tomcat Application Servers**.
* Hands on experience in Configuration, SCM, Build/Release Management, Infrastructure as a code (IAC) and as **Azure DevOps** operations Production and cross platform environments.

# **Experience in dealing with** Microsoft Azure IaaS/PaaS **services like compute** Azure Virtual Machines**,** VNET, Subnets, Network services, AZURE STORAGE ACCOUNTS SQL Databases, Storages, Azure Active Directory, Monitoring, Resource Groups, Express Route, VPN, DNS, Application Gateways, Auto-Scaling, VM Scale Sets, Load Balancer, Traffic Manager and Cloud Services**.**

* Hands on experience in writing **Azure Resource Manager (ARM)** to deploy, update and delete multiple resources in **Azure** and **migrating** the on-premises resources to Azure with **Azure Site Recovery (ASR)** and **Azure backups.**
* Hands on experience in creating and maintaining Infrastructure for Applications in Azure Cloud using

**Terraform**. Building & Automating **CI/CD** pipelines for different applications.

* Experience in **Power Shell** scripting for automation of technical activities.
* Extensive involvement **in Azure Backup, Azure Policies, Azure Key Vault** and **Tagging**.
* Integrated **Docker** container Orchestration framework using **Kubernetes** by creating pods, Config Maps and deployments. Development of automation of **Kubernetes** clusters with **Ansible**, wrote playbooks to automate Ansible server using **YAML** scripting.
* Troubleshoot any application issues raised by **DEV** & **QA** people. Responsible to make sure that application is always up and running.

# **Education**

* Jawaharlal Nehru Technological University (Hyderabad), B. Tech (EEE), 2014.

# **Skill set**

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| **Versioning Tools** | GIT, Github ,Azure Repo |
| **CI/CD Tools** | Jenkins, Azure Devops |
| **Operating Systems** | Linux (RH), Windows |
| **Database Language** | MySQL |
| **Build Tools** | MAVEN |
| **Scripts** | Shell Script |
| **Cloud** | Amazon Web Services (AWS) |
| **App Servers** | Apache Tomcat |
| **Web Servers** | Apache HTTP Server, Nginx |
| **Configuration Management** | Ansible |
| **Code Quality Tool** | SonarQube |
| **Artifactory Repository** | Nexus and JFrog Artifactory |
| **Containerization** | Docker |
| **Monitoring Tools** | Nagios, New Relic |
| **Container Orchestration** | Kubernetes |
| **Ticketing Tools** | JIRA |

# **Experience**

**PERICIUS TECHNOLOGIES OCT’2021 – Till Date**

* Designing and implementing Azure Solutions across a range of cloud models like **IaaS, PaaS, SaaS** and integrated on-premises, on-demand workloads with the Azure public cloud.
* Experience in using **ARM templates** (JSON) to create Azure services while ensuring no changes were made to the existing infrastructure.
* Creating and maintaining **Azure Resource Group.**
* Creating Azure service using **Azure (CLI).**
* Created and maintained of virtual machine.
* Acted as build and release engineer, deployed the services by **Azure DevOps** pipeline.
* Designed delivery pipeline for different environments like **DEV, QA, UAT** and **PROD** implemented Azure DevOps as a continuous integration service.
* Configured Azure Role-based Access Control (**RBAC**) to segregate duties within our team to grant minimum access to users to perform their jobs.
* Configured Azure DevOps portal and created **Repos** for Source Code Management, configured Azure **Pipelines** for build operations, configured Artifacts in Azure DevOps for storing Artifacts, and configured **Boards** for daily scheduling, ticketing, and updating tasks.
* Implemented various terraform templates to provision wide range of resources in Azure and automated it by creating parameterized **YAML** pipelines in Azure DevOps.
* Migrated on prem to Azure by building Azure Disaster Recovery Environment, Azure Recovery Vault
* Experience in working on **Docker** components such as Docker Engine, and in creating Docker Images, Docker Compose, Docker Hub and handling multiple images for middleware installations, and domain configuration.
* Setting up AKS (**Azure Kubernetes Services**), a container orchestration platform on Cloud to deploy our applications onto it for better scaling and performance of the application and, developing CI/CD of our applications using Azure DevOps onto AKS (Azure Kubernetes) to achieve zero downtime of applications for our customers.
* Created and maintained **CI/CD** using tools Azure DevOps (VSTS) over multiple environments to facilitate an agile development process which is automated and repeatable, enabling teams to safely deploy code in Azure Kubernetes Services (AKS) by YAML scripting.
* Design, Implement and Build **Azure Monitoring** for cloud systems and Remote Systems at other sites using Azure Diagnostics, Azure Monitoring agent.
* Responsible for user management, plugin management and end-to-end automation of Build and Deployment process in Azure DevOps.
* Designed **Network Security Groups** (NSGs) to control inbound and outbound access to network interfaces (NICs), VMs and subnets.

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| John Deere Pvt LTDAUG’ 2019 -Oct’2021 |

**Project #3**:

Project : John Deere Pvt LTD

Client : John Deere Pvt LTD

Role : Devops Engineer

**Responsibilities:**

* Worked on all build and release management activities using **DevOps** methodology.
* Created alarms, monitored & collected log files on AWS resources using **CloudWatch** on EC2 instance which generates **Simple Notification Service** (SNS).
* Involved in implementing **Ansible** configuration management and maintaining them on AWS cloud.
* Worked on multiple AWS instances like **Elastic Load Balancer (ELB), Security groups, and AMIs**, Autoscaling to design cost effective strategies.
* Experience in creating, managing and utilizing **S3 buckets** and **Glacier** for archival storage and backup on AWS.
* Created Python scripts to automate AWS S3 data upload/download and control instance operations with **AWS API**.
* Configured AWS **IAM** and **Security group** in **VPC** (Public and Private Subnets).
* Created AWS **Route53** to route traffic between different regions.
* Implemented continuous delivery framework using **Jenkins** and **Maven** on multiple environments.
* Built Jenkins jobs to create AWS infrastructure from **GitHub** repos containing terraform code.
* Creating Cloud Formation/Terraform scripts to automate AWS infrastructure.
* Resolved infrastructure problems that effect critical processes and **Nagios** event handlers for auto restart on application and service failures.
* Used **Elasticsearch, Logstash and Kibana** (ELK) for maintaining system Logs.
* Responsible for installation & configuration of Jenkins to support various Java builds and Jenkins plugins to automate continuous builds.
* Building/Maintaining Docker container clusters managed by **Kubernetes**, Linux, Bash, GIT, Docker, on AWS.
* Utilized Kubernetes and Docker for the runtime environment of the **CI/CD** system to build, test deploy.
* Developed and deployed scripts by configuring **ANT** and **Maven** build tools in Jenkins to automate software development process.
* Interfaced with system infrastructure, deployment and project teams to ensure continuous operation of build and test systems and assisted in incident management for Unix Servers.
* Automated applications and **MySQL** container deployment in Docker using Python and monitor them using Nagios.
* Automated the build and release process by using shell scripting, **Maven** and **Jenkins** in non-production environments and managed the team's source repository through SVN.
* Experience in deploying system stacks for various environments like Dev, **UAT**, Production on both premise and cloud infrastructure.
* Achieved error-free code delivery to production and QA/IST environments on time.
* Created fully automated **CI build** and deployment infrastructure and processes for multiple projects.
* Set up one-click deployment feature for automation, from code checkout to compilation to deployment along automated testing (Sonar) in stage views.
* Set up and integrated Junit and **SonarQube** test cases report in regular build process to automate acceptance testing after build process in order to remove manual validation.
* Installed, configured, and maintained, configured Continuous Integration, Automation and Configuration Management tools
* Worked on troubleshooting all issues related to build and deployment.

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| **YMCA, USA OCT 2017 – AUG 2019** |

**Project #2**:

Project **YMCA Data Services**

Client : YMCA, USA

Role : Build & release Engineer

**Responsibilities:**

* Responsible for creating the branches and tagging the code.
* Developed and implemented **Software Release Management** strategies for various applications through the agile process Using DevOps tools.
* Involved to create **VPC, IAM users**, roles in AWS cloud based on the architecture suggestion.
* Configured Auto scaling for **EC2** instances for high availability.
* Provide highly durable and available data by using **S3** data store, versioning, lifecycle policies, and create **AMIs** for mission critical production servers for backup.
* In charge of creation and modification of Instances, AMI’s, and Security Groups within EC2. Monitor and built reports through **Cloud Watch**.
* Created monitors, alarms and notifications for EC2 hosts using Cloud Watch
* Hand-On experience in Implement, Build and Deployment of **CI/CD** pipelines, managing projects often includes tracking multiple deployments across multiple pipeline stages (Dev, Test/QA staging and production).
* Implemented E2E pipeline in **Jenkins** by using Declarative and script pipe line.
* Developed and implemented the monitoring infrastructure for systems, applications using **Nagios**.
* Implemented DNS service through **Route 53** on **ELBs** to achieve secured connection via HTTPS.
* Creating Cloud Formation/**Terraform** scripts to automate AWS infrastructure.
* Configuration and maintenance **Apache Tomcat Servers** and manage Linux and Windows virtual servers on AWS EC2.
* Used **JIRA** tool to track all the defects and changes related to Build and Release Team.
* Configured **Git** to inform all the teams about the latest changes happening on it to avoid conflicts due to the push before pull issue.
* Worked with Development teams to automate the environment setup using tools like **Ansible**.