

**Chandra Kanth Akuleti**

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**DevOps Engineer**

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**Professional summary:**

Having 3.4+ Years of Experience in Implementing Organization DevOps strategy in various environments of Linux and windows servers along with adopting cloud strategies based on Amazon Web Services.

**Skill summary:**

- ✓ Experience in Amazon AWS Cloud Administration which includes services like **EC2, S3, VPC, ELB, AMI, SNS, RDS, IAM, Route 53, Auto scaling, Cloud Watch, Security Groups** etc..,
- ✓ Experience in **Git, GitHub, Jenkins, Maven, Apache Tomcat, Shell Scripting, Docker and Terraform.**
- ✓ Launching Amazon EC2 Cloud Instances using Amazon Web Services (Linux/Ubuntu/RHEL) and Configuring launched instances with respect to specific applications.
- ✓ Experience with monitoring tools like **Nagios** and Amazon Cloud watch to monitor major metrics like Network packets, CPU utilization, **Load Balancer** Latency.
- ✓ Experience in managing and maintaining **IAM** policies for organizations in AWS to define groups, create users, Assign roles and define rules for role based access to AWS resources.
- ✓ Developed Playbooks to manage systems configuration in **Ansible**.
- ✓ Experience in branching, tagging and maintaining the version across the environments working on Software Configuration Management (SCM) tool **GIT**.
- ✓ Registering new domain names and Route internet traffic to the resources for domains by using AWS Route53.
- ✓ Ability to build deployment, build scripts and automated solutions using scripting languages such as **Shell Scripting**.
- ✓ Worked on web servers like Apache and application servers like **Tomcat** to deploy code.
- ✓ Extensively worked on **Jenkins** by installing, configuring and maintaining for the purpose of continuous integration (CI) and for End-to-End automation for all builds and deployments.
- ✓ Extensive experience with software Build automation and standardization tool Maven.
- ✓ Experience in CI (Continuous Integration) and CD (Continuous Deployment) methodologies.
- ✓ Installed and Managed **Jenkins** for CI and Sharing Artifacts respectively within the company.
- ✓ Professional experience on Containerization tool like **Docker**.
- ✓ Experience in writing Terraform templates.
- ✓ Having Experience on setting up and managing **Docker** private repository
- ✓ Excellent communication, team membership and relationship management skills.
- ✓ Strong ability to troubleshoot issues generated while building, deploying and in production support

**Professional Experience:**

- ✓ Worked as a DevOps Engineer at Cognizant Technology Solutions from July 2018 to October 2021.

**Education Qualification:**

- ✓ Bachelor's degree from Srinivasa Ramanujan Institute of Technology (2013-2017)

## Technical Skills:

<b>Operating System</b>	: Linux
<b>Version Control Tools</b>	: Git, GitHub
<b>Build Tools</b>	: Maven
<b>Application Server</b>	: Apache Tomcat
<b>Artifactory Repositories</b>	: Nexus
<b>Continuous Integration Tools</b>	: Jenkins
<b>Cloud Services</b>	: AWS
<b>Containerization Tool</b>	: Docker
<b>Orchestration Tool</b>	: Kubernetes
<b>Configuration Management Tool</b>	: Ansible
<b>Continuous Code Inspection</b>	: SonarQube

## Projects Details:

### Project: #2

<b>Title</b>	: Opserv
<b>Environment</b>	: Jenkins, GitHub, Maven, Ansible, Tomcat, Linux
<b>Role</b>	: DevOps Engineer

## Description:

OpSERV enables effective collaboration between commercial operations teams and sales forces and empowers them to make efficient decisions that can be implemented quickly. OpSERV is a cloud-based unified commercial operations self-service platform that integrates the various sales planning, incentive compensation and reporting business processes through intuitive visualization, simplified workflows, and seamless visualization.

## Job Responsibilities:

- ✓ Jenkins continuous integration server installation and configuration for all GIT Repositories.
- ✓ Automating the Build process using **Git and Maven**
- ✓ Configured **Git with Jenkins** and schedule jobs using **Poll SCM** option
- ✓ Automated application packaging and deployments.
- ✓ Automated the Build Process using **Jenkins** and handled complete Build and Release process including code, documentation and supporting testing team along with the server Administration.
- ✓ Integrated **GitHub** into **Jenkins** to automate the code check-out process
- ✓ Managed Linux staging and testing environments.
- ✓ Established coding standards and enforced them through automated tools like SonarQube
- ✓ Educated team about continuous integration and automated testing practices and supported them throughout development.
- ✓ Configured Jenkins to implement nightly builds on daily basis and generated change log that includes changes happened from last 24 hours.
- ✓ Integrated Testing Tools like SonarQube which provide unit testing and code coverage with detailed graphical reports.

- ✓ Connected continuous integration system with GIT version control repository and continually build as the check-in's come from the developer.
- ✓ Analyze and resolve conflicts related to merging of source code for Git.
- ✓ Written Shell scripts for build automation and deployment.
- ✓ Manual installation and configuration of Apache Tomcat Application Servers.
- ✓ Written Dockerfiles to run containers on top of docker images.
- ✓ Experience in creating Kubernetes cluster with Kubernetes master and worker nodes for deploying applications on it.
- ✓ Utilized Kubernetes and Docker for the runtime environment of the CI/CD system to build, test and deploy.
- ✓ Involved in automation of deployment and configuration process using Ansible.

### **Project: #1**

<b>Title</b>	: Online Update
<b>Environment</b>	: GitHub, Maven, Tomcat App Server, Jenkins, Linux
<b>Role</b>	: Build and Release Engineer

### **Description:**

The overall goal of this project is to provide the ability to insert, update or delete any portfolio item or asset from Solution Gateway and it will provide an interface to approve or reject the requests manually.

### **Job Responsibilities:**

- ✓ Responsible for creating & maintaining Java application builds using Maven.
- ✓ Installation and upgrade of Jenkins Server.
- ✓ Automate build process using Jenkins.
- ✓ Primary point of contact for all Build, Infrastructure & SCM related issues.
- ✓ Involved for configuring Hooks and Triggers using Github hooks and services.
- ✓ Automated deployment process, where it copies the jar & war files and starts deploying into Tomcat environment using Jenkins.
- ✓ Build management through Jenkins and used Maven for packaging, release.
- ✓ Configured Junit with Jenkins.
- ✓ Created and maintained the repositories and branches in GitHub.
- ✓ Coordinating with development teams to perform builds.
- ✓ Responsible for resolve the builds issues.