

# AKARSHA REDDY CHIRIPIREDDY

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## OBJECTIVE

To work on challenging assignments in a progressive organization that would leverage my technical experience to the fullest potential and align my growth with the growth of the Organization.

## PROFESSIONAL EXPERIENCE

- Having Around 3.5+ years of total IT experience **Build and Release/DevOps Engineering** in automating, building, deploying, and releasing of code with focus on **DevOps tools** and **AWS Cloud** Architecture
- Having 1 year experience on Automation testing using Selenium, Cypress.
- 2.5 years of experience in working on **Devops/Agile** operations process and tools area
- Having good experience on Version control tool i.e., **Git** and source control management concepts like Branches, Merges and Tags
- Proficient in Linux (RedHat, Cent OS) Operating systems
- Knowledge in Creating repositories in **GIT**, **user addition**, **granting access to users** and maintaining the repository with respective to **branching strategies**
- Good hands-on experience in creating **Jenkins** jobs, plug-in installations, setting up distributed builds using master/slave approach other Jenkins administration activities
- Worked extensively on creating **CI/CD pipelines** using **Jenkins** where automating to deployment process from committing the code to **Git** to building it using **Maven** to storing the artifacts in **Jfrog** and creating the environment using **Terraform**, using **Ansible** as a Config. mgmt. tool over cloud such as **AWS**
- Experience in configuring and updating the servers using configuration management tool like **Ansible**. Good exposure in creating **Playbooks** and roles for configuring software packages.
- Exposed to all aspects of software development lifecycle (SDLC) such as Analysis, Planning, and Developing, Testing, and Implementing Post-production analysis of the projects.
- Knowledge in creating development and testing environments using **Docker Compose**.
- Good exposure in creating custom Docker Images using Docker file and pushing **Docker Images** to **Docker Hub**
- Worked on web servers like Apache and application servers like Tomcat to deploy code.
- Ability in development and execution of **YML**, **Shell Scripts**
- Having Good experience in **Amazon Web Services** environment and good knowledge of AWS services like Elastic Compute Cloud (EC2), Elastic Load Balancing and Auto scaling, IAM, S3, VPC, ECS, Lambda, LightSail, Cloud watch
- Utilized Cloud Watch to monitor resources such as EC2, CPU memory, EBS volumes; to set alarms for notification or automated actions; and to monitor logs for a better understanding and operation of the system.
- Actively manage, improve, and monitor cloud infrastructure on AWS, EC2 including backups, patches, and scaling.
- Experience in creating Infrastructure in AWS using **Terraform** and Automate the provisioning of environments using as **Terraform**
- Knowledge on Orchestration tool Kubernetes. Experience in creating PODS.

## TECHNICAL SKILLS

Version Control system	Git
Build Tools	Maven
Continues integration Tool	Jenkins
Static code analysis Tool	SonarQube
Configuration Management	Ansible
Containerization & orchestration Tools	Docker, Kubernetes
Cloud Platform	Amazon web services (AWS)
Scripting Languages	Shell scripting
Application Server	Apache Tomcat server
Arftifactory Storage Tool	Jfrog artifactory
Operating System	Linux, windows
Monitoring Tools	Grafana, Prometheus and cloud watch
Infrastructure as a Code	Terraform
Programming languages	Core java
Testing tools	Selenium, Cypress, Postman

## EDUCATION

- **B. Tech** (2014-2018) in the stream of **Electronics and Communication Engineering** from Rajeev Gandhi Memorial college of engineering and technology with an aggregate of 74%.
- **Intermediate** (2012-2014) in **M.P.C** from Sri Chaitanya college, Tirupati with an aggregate of 91%.
- **S.S.C** (2012) from A.P.R. School, Kurnool with an aggregate of 9.5 CGPA.

## PROJECT DONE

### DXC Technologies:

#### Project 1

**Client** : TAFE, Australia  
**Project** : Student Management Service  
**Role** : Quality Engineer  
**Location** : Bangalore

#### **Roles & Responsibilities :**

- Experience in Developing automation test scripts using **Selenium WebDriver** with **Java**
- Created and executed automation Scripts Smoke, Sanity and Regression suite for each form
- Worked and understood the principles and best practices of **Agile** environment
- Worked with the designers to Identify and track surrenders utilizing **JIRA**
- Created a generalized repository and Source code management using **GITHUB**
- Worked on **TestNG** and Build apparatus like **Maven**
- Generating Reports after completion of regression tests using **Jenkins** and Updating Failure Analysis report during daily regression tests
- Fixing the failed scripts and re-executing the same as part of regression and Logging defects in defect tracking tool Jira and Updating status as well

## Project 2

**Client** : Lloyd's of London Market, London  
**Project** : London Markets  
**Role** : QA and Devops Engineer  
**Location** : Bangalore

### **Roles & Responsibilities :**

- Perform Build activities using **Maven** and Jenkins tool.
- Coordinate/assist developers with establishing and applying appropriate branching, labelling/naming conventions using **Git** source control.
- Created Jenkins jobs for CI & CD process and Created **CI/CD pipelines** by integrating Jenkins with Git, Maven, SonarQube and Tomcat.
- Installing Plug-in in **Jenkins** as per project requirements.
- Creating new jobs in Jenkins and managing the build related issues.
- Coordinating with the Development team to fix the Build related issue
- Perform source code analysis using sonarQube
- System monitoring in Grafana for performance on all environments (CPU, disk space, etc.) to ensure smooth running of all Environments
- Create and providing **IAM** access to the users in AWS.
- Hands on experience in creating of **public & private subnets using VPC**.
- Working experience in taking snapshots of the **EBS Volumes**.
- Understanding of agile and other development processes and methodologies.
- Writing inventory files and Ansible configuration files.
- Installing, configuring and maintaining different tool using Configuration Management tools like **Ansible**

## Publicis Sapient:

### Project 1

**Client** : Cargill  
**Project** : OT(Ocean Transport), WT(We trade)  
**Role** : DevOps Engineer  
**Location** : Bangalore

### **Roles & Responsibilities :**

- Create and maintain automated **CI/CD pipelines** for code deployment.
- Automated build and deployment using **Jenkins** to reduce human error and speed up production processes.
- Develop, deploy, and maintain automation for applications and configure the required infrastructure environment.
- Worked on setting up distributed builds using **Jenkins** master/slave approach
- Managed **GitHub** repositories and permissions, including branching and tagging.
- Created release branches in GIT-by-GIT Administration including branching, reporting and assisting with project and end user support
- Jenkins configuration, CI process over Jenkins and placing of artifacts over Jfrog repository.
- Experienced in build and deployment of Java applications on to different environments such as QA , UAT and Production.
- Periodically monitored logs for optimal performance
- Utilized Cloud Watch to monitor resources such as EC2, CPU memory, EBS volumes; to set alarms for notification or automated actions; and to monitor logs for a better understanding and operation of the system
- Installed application on AWS EC2 instances and also configured the storage on S3 buckets.
- configuring and updating the servers using configuration management tool **Ansible**. Creating **Playbooks** and roles for configuring software packages.

- Manage and configure AWS services as per the business needs (ELB, EC2, S3, Cloud Watch, Elastic Load Balance and AMIs)
- Done the **POC** on QA and UAT environments using **Docker** and **Kubernetes**
- Using **Maven** as a build tool automated the process of building artifacts.
- Automate the provisioning of environments using as **Terraform**

#### Personal Details

Name	: C. Akarsha Reddy
Date of Birth	: 12-08-1996
Gender	: Male
Languages Known	: English, Telugu, and Kannada
Marital Status	: Single
Permanent Address	: Beluguppa[m], Anantapur [Dt], Andhra Pradesh.

**Place:** Bangalore

**Name:** Akarsha Reddy. C