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## OBJECTIVE

An aspiring devops engineer who is looking for an opportunity in devops and cloud where I can apply my skills to contribute to the development and deployment of robust, scalable, and automated infrastructure solutions while gaining valuable experience and continuing to grow professionally.

## PROFILE SUMMARY

- Amazon Web Services (AWS): Knowledgeable in creating, configuring, and managing AWS services, including EC2, S3, VPC, IAM, and Route 53 across different AWS regions.
- Continuous Integration (CI): Practical experience with Jenkins, including setting up and configuring build jobs, managing user accounts, handling plug-ins, setting up build triggers.
- Build Automation: Hands-on experience with Maven, including building projects according to Maven's lifecycle.
- Configuration Management: Proficient in using Ansible for configuration management, including setting up control machines and hosts, and writing playbooks for configuration and application deployments.
- Containerization: Good exposure to Docker, including building images from Dockerfiles, and managing images in Docker Hub.
- Application Services: Experience in installing and configuring application services such as Apache HTTPD and Nginx.

## ACADEMIC PROFILE

Swami Ramanand Teerth Marathwada University - Nanded.  
Bachelor's degree in Computer Application, August- 2024.

## TECHNICAL SKILLS

Operating Systems: Ubuntu, Amazon Linux  
Cloud Technologies: Amazon Web Services (AWS)  
Configuration Management Tools: Ansible  
Load Balancing: AWS Elastic Load Balancing (ELB)  
Web Servers: HTTP, Nginx  
Containerization Tools: Docker, Kubernetes  
Build Tools: Jenkins, Maven  
Databases: Amazon RDS, MySQL  
Version Control Systems: Git, GitHub  
Scripting: Python, Shell Scripting

## PROJECTS

### **End to End CICD Implementation - Jenkins**

Designed and implemented a full CI/CD pipeline for a Java application using Jenkins:

Pipeline Stages: Configured declarative pipelines for Build, Unit Testing, Static Code Analysis, Docker Image Creation, and Deployment.

Deployment: Deployed applications on Kubernetes using Argo CD for continuous delivery.

Technologies: Jenkins, Java, Docker, Kubernetes, Argo CD

### **Implemented Three Tier Architecture - AWS**

Developed a three-tier web application on AWS with:

Infrastructure: Configured EC2 instances and AWS RDS MySQL for database management.

Application: Built a Flask app for adding books, viewing lists, and generating recommendations.

Deployment: Set up Nginx and uWSGI, and created a systemd service for background execution.

Technologies: AWS, EC2, RDS, MySQL, Flask, uWSGI, Nginx

### **Cloud Cost Optimization - AWS**

Optimized cloud costs using AWS CloudWatch and Lambda:

Implementation: Created a Python Lambda function utilizing `boto3` to interact with AWS service APIs.

Automation: Configured CloudWatch events to automatically trigger the Lambda function, reducing cloud expenditures.

Technologies: AWS CloudWatch, AWS Lambda, Python, boto3