

# DIBYARANJAN PARIDA

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## SUMMARY:-

Seasoned IT professional with extensive networking experience and a strong foundation in DevOps practices, seeking to leverage expertise in infrastructure design, CI/CD pipeline optimization, and network security to enhance the efficiency, reliability, and scalability of technology solutions. Adept at automating processes, troubleshooting network issues, and integrating cloud-based services to support dynamic and resilient IT environments. Committed to driving innovation and ensuring robust, secure, and high-performance systems.

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## SKILL SUMMARY:-

- **Operating Systems:-** Windows
  - **Web/application :-** Tomcat, Apache, Nginx
  - **CI/CD Tools:-** Jenkins, GitHub actions, Code Pipeline
  - **Cloud Services :-** AWS (EC2, S3, EBS, VPC, ELB, EKS, AMI, SNS, RDS, IAM, Cloud Formation, Cloud Front, Cloud Watch, Cloud Trail)
  - **Databases:-** Amazon DynamoDB
  - **Languages:-** Python, Yaml, Shell script, groovy script
  - **Versioning and Tracking Tools :-** GIT, AWS CodeCommit,
  - **Build Tools/ CI & CD Tools:-** Jenkins, Maven, Ansible, Docker, kubernetes, Terraform
  - **Orchestration:-** Docker Swarm
  - **AI & ML:-** ChatGPT.
  - **Containers & virtualization:-** Docker, VMware,
  - **Monitoring/ Alerting tools:-** Prometheus, Grafana
  - **Network Protocols:-** VPN, VLAN, TCP / IP, FIREWALLS, TROUBLESHOOTING, ROUTING AND SWITCHING, WAN, HARDWARE, INFRASTRUCTURES, DHCP, DNS, SMTP, COMPUTER NETWORKING, LAN, SOFTWARE INSTALLATION
  - **Cloud Technologies:-** AWS
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## EDUCATION:-

- ❖ MCA | GIET UNIVERSITY GIETU | 2021-2023  
GUNUPUR, RAYAGADA  
GPA-84%
- ❖ B.SC | B.N.M.A DEGREE COLLEGE, BHADRAK | 2018-2021  
FM UNIVERSITY  
GPA-67%
- ❖ +2 | NIST, BALASORE, ODISHA | 2016-2018

GPA-71%

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## LANGUAGES :-

- ENGLISH
  - HINDI
  - ODIA
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## CERTIFICATION :-

- Devops
  - Online course - Cisco certified Network Administration (CCNA)
  - LINUX
  - JAVA
  - PYTHON
  - SQL
  - Cloud Computing Architecture
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## EXPERIENCE :-

Network EngineerNetwork Engineer

Satvat Infosol Pvt Ltd · Full-timeSatvat Infosol Pvt Ltd · Full-timeMar 2023 - Sep 2024 · 1 yr 7 mos,Chennai, Tamil Nadu, India

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DevOps Engineer

Staragile · Full-time July 2024 – Dec 2024 · mos,Banglore, Karnatak, India

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## ACHIEVEMENTS :-

- Reduced deployment time.
  - Automated infrastructure management.
  - Successfully implemented CI/CD pipelines.
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## PROJECTS :-

### 1. ONLINE EXAMINATION :-

- **Server Administrator:**Responsible for managing and overseeing the operation of the online examination system.
- **Online Examination System:**A test management website designed to offer a complete solution for computer-based tests.Focused on multiple-choice questions (MCQs) for assessments.
- **Main Features:**Simplifies the process for both test conductors and students appearing for examinations.Allows easy utilization of the online testing environment.
- **Purpose of the Online Test Simulator:**Enables efficient online testing.Eliminates time wasted on manual paper checking.
- **Web-Based Platform:**Facilitates remote assessment and evaluation of students.Allows test conductors to manage exams without being physically present.
- **User-Friendly Interface:**Designed to make it easy for both examiners and students to

navigate. Simplifies exam creation, question bank management, and grading processes.

- **Question Bank Management:** The platform allows the creation, management, and organization of question banks for future use.
- **Automated Grading Reports:** Provides instant, automated grading and feedback after the completion of exams.
- **Hardware Component:** Refers to the physical devices and infrastructure required to support the system (not specifically detailed).
- **Organization OS:** The operating system used by the organization to run and manage the online examination platform.

## 2. Deploy Spring-boot-app on a Tomcat server using Jenkins:

- **Project Summary:** Deploying a Spring Boot Application on Tomcat Server Using Jenkins
  - **Objective:** To establish a Jenkins-based CI/CD pipeline that automates the build, package, and deployment processes for a Spring Boot application, deploying the resulting WAR file to a Tomcat server.
  - **Scope:** The project involves configuring Jenkins to manage the deployment lifecycle of a Spring Boot application. This includes building the application, creating a deployable WAR file, and deploying it to a Tomcat server.
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## 3. Deploy Banking-app through ansible server using Jenkins:

### Project Overview:

#### Goal:

-To automate the deployment of a banking application using Ansible, managed by a Jenkins pipeline.

#### Deployment Process:

-The objective is to ensure the application is consistently deployed across different environments (e.g., development, staging, production) with minimal manual intervention, leading to faster, more reliable releases.

#### KEY COMPONENT:-

##### Banking App:

-Type: A web application (e.g., Java Spring Boot, Node.js).

-Purpose: The application will manage banking operations such as transactions, user accounts, and more.

-Technologies: Built using a backend framework like Spring Boot (Java) or Node.js for the application logic.

##### Ansible:

-Role: An open-source automation tool.

-Function: Ansible will handle configuration management and automate the deployment of the banking app.

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-Deployment: It will manage the setup of various environments (development, staging, production) and ensure the consistent deployment of the banking app.

#### **Jenkins:**

-Role: An open-source automation server for CI/CD pipelines.

-Function: Jenkins will automate and manage the deployment process. It will monitor the application's repository for changes and trigger deployment jobs automatically whenever new code is pushed.

-Pipeline: Jenkins will create a continuous integration (CI) and continuous deployment (CD) pipeline for automating the entire deployment lifecycle.

#### **4. Deploy Healthcare-app through ansible and kubernetes server using Jenkins:**

##### **Project Overview: Monolithic Application - DevOps Automation for Build, Test, and Deployment**

**Objective:** To automate the build, testing, and deployment processes for a monolithic application using DevOps tools. The goal is to ensure continuous integration and continuous deployment (CI/CD) for frequent and reliable updates with minimal manual intervention.

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#### **Key Responsibilities:**

##### **1. Develop a Monolithic Application**

Expose RESTful APIs:

##### **2. Writing Unit and Integration Test Cases**

Unit Testing with JUnit:

Integration Testing:

##### **3. Code Versioning and Repository Management**

Version Control using Git:

##### **4. Continuous Integration (CI) Pipeline Setup using Jenkins**

Jenkins Pipeline Configuration:

Build Automation:

Automated Testing:

##### **5. Continuous Deployment (CD) Setup using Jenkins**

Deployment to Dev/Staging Environments:

Containerization with Docker:

##### **6. Infrastructure as Code (IaC) with Terraform**

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Provision Infrastructure with Terraform:

## **7. Configuration Management with Ansible**

Automated Configuration Management:

## **8. Deploying Application with Kubernetes (Optional)**

Kubernetes Cluster Setup:

Helm for Kubernetes Deployment:

## **9. Monitoring and Logging**

Application Monitoring:

Logging:

## **10. Continuous Delivery (CD) to Production**

Production Deployment:

## **11. GitHub Webhook to Trigger Jenkins Pipeline**

Webhooks:

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## **DISCLAMIER:-**

I solemnly declare that the information in this resume is true to the best of my knowledge and belief. All information in this resume is right and truthful. I announce that the information and details shared in this resume are correct and inclusive.