# Pial Roy

DevOps Engineer

📍 Kolkata, India📧pialroy31416@gmail.com🔗LinkedIn|GitHub|Portfolio

## Professional Summary

DevOps Engineer with over 3 years of experience at Persistent Systems. Skilled in CI/CD automation, containerization, infrastructure as code, and cloud-native practices using tools like Jenkins, Docker, Kubernetes, and AWS.

## Projects

* • Built optimized Jenkins pipelines reducing build/deploy time by 60%
* • Created secure Docker images to streamline releases
* • Automated validation reports using Python + cx\_Oracle
* • Managed large-scale data load automation processes
* • Flask dashboard visualizing GitHub workflow data with SQLite
* • Built with SQLAlchemy and containerized
* • View CI/CD Dashboard
* • GitHub Repo
* • Custom `/metrics` endpoint in Flask exposing runtime data
* • Prometheus integration deployed with Docker
* • Prometheus Dashboard

## DevOps Skills

* • Linux & Bash
* • Python & SQL
* • Git & GitHub CLI
* • Jenkins & GitHub Actions
* • CI/CD Workflows
* • Docker & Kubernetes
* • Terraform & IaC
* • Ansible
* • AWS (EC2, S3, IAM)
* • Prometheus, Grafana, Datadog
* • Systemd, Cron, SSH
* • Linux Server Administration

## Certifications

* • Linux Command Line Basics– 2024 –View
* • Microsoft Certified: Azure Fundamentals– 2022 –View
* • Databricks Lakehouse Fundamentals– 2023 –View

## Education

B.Tech in Applied Electronics & Instrumentation – MAKAUT (2022)