

Yash Kumar Dubey

DevOps Engineer | AWS Cloud Practitioner | Linux Administrator | CI/CD Specialist

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Professional Summary

AWS Certified Cloud Practitioner and experienced DevOps Engineer with 2+ years of hands-on experience in Linux system administration, cloud infrastructure, automation, and secure CI/CD pipelines. Proficient in managing backups, monitoring, and implementing High Availability architectures using open-source tools and cloud-native technologies.

Technical Skills

- Cloud Platforms: AWS (EC2, S3, VPC, IAM, Lambda), Azure DevOps
- DevOps & CI/CD: Jenkins, Git, GitBucket, GitHub Actions, Maven, Nexus, SonarQube, SAST, Mend
- Containers & Orchestration: Docker, Kubernetes, ECS
- Monitoring & Security: Prometheus, Grafana, CloudWatch, Wazuh, fail2ban
- Scripting & OS: Python, Bash, Rsync, SCP, Ubuntu, RedHat
- Databases: PostgreSQL (HA + DR, streaming replication), MySQL

Professional Experience

Speed Sign Technologies Pvt. Ltd.

DevOps Engineer | Noida | Feb 2025 – Present

Installed and configured GitBucket for internal version control and Jenkins integration.

Set up PostgreSQL in High Availability + Disaster Recovery (HA + DR) with streaming replication and Pgpool-II.

Developed backup automation using Python and Bash with timestamped retention logic. Integrated SAST and Mend tools in Jenkins for continuous vulnerability scanning and secure build promotion.

Designed CI/CD pipelines across development stages: Dev, QA/Test, Pre-Prod, and Production.

Deployed containerized apps using Docker and managed orchestration via Kubernetes.

Configured PostgreSQL databases to comply with AUA/KUA standards with secure access control.

Remiges Technologies Pvt. Ltd.

Cloud & Linux Engineer | Mumbai | May 2024 – Feb 2025

Architected and deployed fault-tolerant infrastructure on AWS (EC2, VPC, IAM, S3).

Built Jenkins pipelines integrated with SonarQube, GitBucket, and Nexus.

Installed and managed Ubuntu and RedHat systems, ensuring regular updates, patching, and hardening.

Automated daily Linux administration tasks: user/group management, cron jobs, service monitoring, and log rotation.

Configured and managed backup routines using rsync, scp, and Bash/Python scripts.

Set up network services: static IP, SSH key-based access, VPN clients (FortiClient), and DNS settings.

Deployed and monitored Docker containers with ECS and used CloudWatch/Wazuh for alerts.

Collaborated on documentation of SOPs, backup policies, and server setup procedures.

Minitex Systems India Pvt. Ltd.

Linux System Administrator | Mumbai | Oct 2023 – May 2024

Installed and configured Ubuntu/RedHat OS and managed DSM NAS servers with timestamped NFS exports.

Performed disk management, partitioning, LVM setup, and mounted storage volumes.

Implemented system backup and recovery strategies using rsync, scp, and scheduled cron jobs.

Troubleshoot system issues (boot, disk, service failures) and network problems using netstat, tcpdump, traceroute.

Managed FortiGate firewall rules, web activity monitoring via eScan, and antivirus scans.

Administered local and remote systems using SSH, VNC, and AnyDesk for user support and maintenance.

Wrote scripts for backup automation, system health checks, and service monitoring.

Documented standard procedures for server provisioning, user setup, and system audits.

Education

Bachelor of Computer Applications (BCA)

Sanskriti University, Mathura | 2020 – 2023

Certifications

- AWS Certified Cloud Practitioner (Valid till Sept 2027)
- Pursuing AWS Solutions Architect - Associate (Udemy)
- Pursuing DevOps Certification (Physics Wallah)

Personal Information

- Languages: English, Hindi
- Interests: Tech Research, Automation, Problem Solving

Key Projects

1. Secure CI/CD Pipeline Implementation

Developed Jenkins pipelines integrated with GitBucket and Nexus for internal code lifecycle management.

Enabled SAST and Mend scans at every pipeline stage to ensure secure code deployments.

Segregated CI/CD environments into Dev, QA/Test, Pre-Prod, and Production stages with controlled promotion.

2. PostgreSQL High Availability & AUA/KUA Setup

Implemented streaming replication and Pgpool-II for HA + DR PostgreSQL architecture.

Configured PostgreSQL schema, roles, and access policies aligned with AUA/KUA standards.

Automated backups with Python scripts and applied retention and integrity validation with SHA256.

3. GitBucket On-Prem Installation & SOP

Installed and configured GitBucket on Linux with SSL and integrated with Jenkins for auto-build triggers.

Created Standard Operating Procedures (SOPs) for branch management, pull requests, and secure Git workflows.

Trained teams to manage branches, enforce commit standards, and follow secure Git practices.

4. Backup Automation & Monitoring

Automated PostgreSQL and server-level backups using Python and shell scripts.

Configured scheduled backups with cron and implemented timestamp naming with logs.

Integrated Wazuh SIEM for monitoring, alerting, and incident visibility.