

# Melbin Kuriakose

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## Summary

Computer Science graduate with completed hands-on DevOps training. Skilled in Linux system administration, cloud platforms (AWS, GCP), infrastructure automation using Terraform and Ansible, containerization with Docker and Kubernetes, and CI/CD pipeline implementation using Jenkins and GitHub. Proficient in scripting with Bash and Python. Seeking Linux System Administrator role to apply cloud and automation expertise in enterprise environments.

## Skills

**Languages:** Python, Bash, Shell Scripting

**Cloud Platform & Infrastructure:** AWS, GCP, Terraform, Ansible

**CI/CD & Automation Tools:** Jenkins, GitHub, n8n Automation, MCP Servers

**Containerization & Orchestration:** Docker, Kubernetes

**Monitoring Tools:** Prometheus, Grafana, Alertmanager

**Soft Skills:** Leadership, Creative Thinking, Teamwork, Communication, Time Management

## Projects

### Infrastructure Automation with Terraform

GitHub 

- Built a highly available AWS infrastructure using Terraform, including VPC, EC2, ECS, RDS, and ALB across multiple Availability Zones for fault tolerance.
- Secured application and database tiers with private subnets, NAT, and security groups, ensuring least-privilege access and enabled auto-scaling.

### Ansible Node.js Deployment

GitHub 

- Systematized provisioning and configuration of Ubuntu with Ansible, enabling consistent and repeatable development environments.
- Deployed IaC-driven delivery for a Node.js service using Ansible on Ubuntu, enabling consistent builds and predictable deployments.

### Jenkins Automated Deployment

GitHub 

- Orchestrated a CI/CD pipeline using Jenkins for Java applications, integrating secure credential management, artifact deployment to Nexus, and SSH-based remote execution on EC2 with post-build triggers
- Reduced deployment time from 15 minutes to under 2 minutes through zero-touch automation, significantly improving efficiency and reliability

## Experience

### Linux Admin Intern

April 2025 – July 2025

CoreXtech IT Services Pvt. Ltd, Remote

- Executed essential system admin tasks like process management, system monitoring, log inspection, and cron job scheduling.
- Created and deployed mini-project environments that simulate real-world IT infrastructure scenarios using shell scripting and system configuration tools.

### Graphics Team Member / E-Publicity Head (College Clubs)

December 2022 – April 2025

PCACS, Navi Mumbai

- Boosted Alegria Techfest participation by 20% through social media and content strategies.
- Designed promotional media operations, maintaining a 100% on-time delivery and quality for all digital promotions.

## Education

### DevOps Institute Mumbai

April 2025 – November 2025

Thane, Maharashtra  
Postgraduate Diploma in DevOps & Cloud Computing

### Pillai College of Arts, Commerce and Science

August 2022 – April 2025

Navi Mumbai  
Bachelor of Science in Computer Science (CGPA: 8.30)

## Certifications

### Deloitte Australia - Technology Job Simulation (Forage)

June 2025

Accenture: Data Analytics and Visualization Job Simulation (Forage)

April 2024