

NISHAL LOURDURAJ P A

Cloud & DevOps Engineer | AWS • Docker • Kubernetes (EKS) • Jenkins • Terraform • CI/CD

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PROFESSIONAL SUMMARY

Cloud and DevOps engineer with 3+ years of IT infrastructure experience and hands-on AWS work. Built and deployed three end-to-end CI/CD projects on AWS using Docker, Kubernetes (EKS), Jenkins, CodePipeline, Terraform and Prometheus. Strong base in Linux, networking (DNS, DHCP, VPN) and access control from infrastructure support. Completed the 7-month GUVI-HCL DevOps Program.

TECHNICAL SKILLS

Cloud (AWS)	EC2, S3, IAM, VPC (subnets, IGW, NAT Gateway, route tables), Route 53, EFS, ELB, ECR, EKS, CodeBuild, CodePipeline, CloudWatch
Containers	Docker, Docker Compose, Kubernetes (EKS), kubectl, eksctl
CI/CD	Jenkins (declarative and multibranch pipelines), AWS CodePipeline, CodeBuild, GitHub webhooks
IaC	Terraform
Monitoring	Prometheus, Alertmanager, Grafana, CloudWatch Logs
Version Control	Git, GitHub, Docker Hub
Linux & OS	Linux (Amazon Linux, Ubuntu, RHEL): installation, users/groups, permissions, yum/apt, systemctl, SSH, Bash scripting; Windows Server, Active Directory, VirtualBox
Web & Networking	Nginx, Apache (httpd), DNS, DHCP, VPN, security groups, NACLs
Tools	RDP, TeamViewer, Zoho

WORK EXPERIENCE

Desktop Support Engineer (AWS & Infrastructure) — Starlfinx India Pvt Ltd, Chennai	02/2025 – Present
- Set up and managed AWS EC2 instances (Amazon Linux, Ubuntu) with security groups and IAM users/roles following least-privilege access - Moved shared files and backups to Amazon S3 with versioning and bucket policies, improving recovery of deleted files - Configured a custom VPC with public and private subnets, NAT Gateway and route tables for internal test servers - Hosted internal web pages on EC2 with Apache/Nginx and mapped domains with Route 53 - Used Git and shell scripts to automate routine server checks and updates - Provided infrastructure support for 50 users: systems, printers, network, shared-folder permissions, Event Viewer checks and Windows updates - Reduced ticket resolution time by 25% through proactive monitoring and standard procedures - Managed video-conferencing setups and IT asset tracking in Zoho	
Desktop Support Engineer — Aroha Technologies (via Evision Technolab), Bangalore	09/2023 – 02/2025
- Delivered L1/L2 support across 100 endpoints using RDP and TeamViewer - Installed and configured Windows and Linux operating systems on user machines and VirtualBox virtual machines - Managed users, groups and computer accounts in Active Directory, including password resets and access control - Performed basic Linux administration: file and directory management, user permissions, package installs and service checks - Managed employee onboarding, access provisioning, mail configuration and inventory - Achieved a 90% user satisfaction rate through fast issue resolution	

PROJECTS

1. Brain Tasks App — CI/CD to AWS EKS with CodePipeline	GitHub ↗
<i>Tech: AWS CodePipeline, CodeBuild, ECR, EKS, Docker, Nginx, CloudWatch</i>	
- Containerized a React app with Docker and Nginx and stored images in Amazon ECR - Built a CodePipeline (GitHub → CodeBuild) that builds, pushes and deploys to EKS on every commit - Wrote buildspec.yml and Kubernetes manifests: 2-replica Deployment with health checks and a LoadBalancer Service - Achieved zero-downtime rolling updates and tracked every build and deploy in CloudWatch Logs	

2. Trendify — Infrastructure as Code with Terraform, Jenkins and EKS

[GitHub ↗](#)

Tech: Terraform, Jenkins, Docker Hub, EKS, Prometheus, Grafana

- Provisioned VPC, subnet, internet gateway, security groups, IAM role and Jenkins EC2 server with Terraform
- Created an EKS cluster with eksctl and mapped the Jenkins IAM role for secure cluster access
- Built a Jenkins declarative pipeline with a GitHub webhook: build → push to Docker Hub → deploy to EKS
- Monitored cluster and pod health with Prometheus and Grafana dashboards

3. DevOps Build — Branch-Based CI/CD with Monitoring and Alerts

[GitHub ↗](#)

Tech: Jenkins Multibranch, Docker, Docker Compose, Docker Hub, EC2, Prometheus, Alertmanager

- Dockerized a React app on port 80 with Docker Compose and build.sh / deploy.sh scripts
- Set up a Jenkins multibranch pipeline: dev branch → public dev repo, master branch → private prod repo with auto-deploy
- Deployed on EC2 with locked-down security groups (HTTP open, SSH restricted to my IP)
- Configured Prometheus and Alertmanager to send a Gmail alert whenever the app goes down

CERTIFICATIONS

DevOps Program (7 months) — GUVI Geek Network × HCL (IIT-M incubated)	Aug 2026
DevOps and AI on AWS Specialization (3 courses) — Coursera Verify ↗	Jun 2025

EDUCATION

MBA, Business Analytics — SRM Institute of Science and Technology, Chennai	2023
B.E. — Panimalar Engineering College, Chennai	2020
HSC — St. Mary's MHSS, Chennai	2016

LANGUAGES

English (Proficient) · Tamil (Native) · Telugu (Advanced)