





# Ajaykumar R

Cloud | Infrastructure | Devops | System Admin

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## Summary

Proactive System & Cloud Infrastructure Engineer with experience in managing Linux-based environments, AWS cloud infrastructure, and containerized deployments. Skilled in k8s , implementing load balancing and auto-scaling. Strong background in networking and cybersecurity best practices. Passionate about automating deployments, ensuring uptime, and optimizing resource efficiency across multi-cloud environments.

## Profiles

 Github  
[Ajaykumarisdf](#)  
 Github  
[ajaykumarrgn](#)

## Education

Dr.M.G.R Educational And Research Institute (Deemed University) Full Time • 70%  
B.Tech In (CSE) Information Security And Digital Forensics 2019-2023  
<https://www.drmgrdu.ac.in/>

## Experience

Pixint Chennai  
Cloud And System Admin Sep 2025-Present

- Configure AWS Load Balancer and Auto Scaling Groups for high availability and performance.
- Launch and provision EC2 instances with necessary infrastructure setup for web hosting.
- Configure EFS for concurrent read/write operations across multiple EC2 instances or use manual NFS server setup when required.
- Implement daily/weekly backup and restoration of site data and application files.
- Renew and manage SSL certificates
- Design and manage VPC architecture for isolated and secure deployment environments.
- Perform system updates, patching, and continuous performance monitoring.

Lmnas cloud solutions tranquebar  
Infrastructure Trainee July 2024-Aug 2025

- Managed Frappe/ERPNext deployments on Kubernetes (K3s) clusters hosted on GCP VMs.
- Configured Docker-based environments for custom app stacks and managed persistent volumes with NFS.
- Used external MariaDB and Redis services in Kubernetes deployments with readiness and liveness probes.
- Optimized deployments using node affinity, probes, and region-specific scheduling logic.
- Monitored cluster health and pod performance, and optimized region-based deployments with node affinity.
- Provisioned secure VMs on GCP for production deployments and site hosting.

<https://lmnas.com>

Positka Chennai  
Splunk Trainee 12/2023-03/2024

- Assist in deploying and configuring Splunk for log analysis.
- Learn to create security dashboards and alerts.
- Support analysis of security incidents .
- Created dashboards for visualizing security incidents and system metrics.
- Worked on writing correlation rules for alerting and threat detection.

<https://positka.com/>

## Skills

Cloud And Infrastructure  
AWS (EC2, EFS, S3, IAM, VPC, Load Balancer, Auto Scaling,Cloud Watch,Gaurd Duty,Cloud Trail), GCP (Compute Engine, Firewall, DNS), Docker, Kubernetes (K3s), Helm, Traefik, Portainer  
S3, EC2, IAM, CloudTrail, EBS, Docker, Portainer, ELB, NFS

Containerization & Orchestration  
Docker • Kubernetes (K3s) • Helm • Traefik • Portainer • Container lifecycle management • Multi-node deployment • Service scaling & monitoring , Github, Github Actions.  
Pvc, Volumes, Pods, Containers, Nods, Services, Github, Actions

System Administration  
Firewall,TCP/IP,DNS Management,Linux (Ubuntu/Debian) – User/Service Management, Networking, Backup & Restore Automation, Shell Scripting, NFS/EFS Management,Storage Configuration  
Ubuntu, Linux , SSL, Snapshots, Disks, Mount, HTTPS

SIEM (Security)  
SIEM & SOC Monitoring Splunk (log ingestion, dashboards, correlation rules, threat detection) SOC L1 tools: Nmap, threat investigation, and reporting Security frameworks: ISO-27001, GDPR, PCI DSS  
Data analysis, Log management, Monitoring, Visualization, Security, Splunk

## Projects

>> ERPNext Hosting on Kubernetes with Traefik (GCP)

- Deployed ERPNext sites using custom Docker images on K3s
- Set up Helm values files for multi-region scheduling, probes, and Redis services
- Used NFS with subPath mounts for structured volume management
- Secured sites with HTTPS using Traefik + Let's Encrypt

>> K8s- HA : Full Stack Web Application

- Cluster: K3s (1 Master + 2 Worker nodes on AWS EC2)
- Frontend: Nginx serving static HTML/JS/CSS (replicas: 3)
- Backend: Node.js API with MySQL connection pooling (replicas: 2)
- Database: MySQL 8.0 with PersistentVolume (NFS)
- Ingress: Traefik LoadBalancer
- Registry: GitHub Container Registry (GHCR)
- Monitoring: K8s metrics server & liveness/readiness probes

>> Complete AWS ALB + ASG Deployment

- 2 Subnets in 2 AZs? → For high availability. If one AZ goes down, the other keeps running.
- Public + Private? → Security. EC2 instances don't need direct internet access. Only the ALB faces the internet.
- ALB? → Load balancing. Distributes traffic evenly so no single server is overwhelmed.
- ASG? → Auto-scaling. Automatically adds/removes EC2 instances based on demand.

• Amazon Cloud Quest Projects 08/2023 - 11/2023  
[https://www.credly.com/badges/ad0a14ff-cb08-49eb-94ac-2d0376274a87/linked\\_in\\_profile](https://www.credly.com/badges/ad0a14ff-cb08-49eb-94ac-2d0376274a87/linked_in_profile)

## Certifications

Aws re-Start Graduate Sep-2023  
AWS  
[https://www.credly.com/badges/545a2022-2ebc-48fd-80e5-3eefae7a5517/linked\\_in\\_profile](https://www.credly.com/badges/545a2022-2ebc-48fd-80e5-3eefae7a5517/linked_in_profile)

ISC2 Candidate March-2023  
ISC2  
[https://www.credly.com/badges/9638c331-1373-460a-ae75-d8e956fcabe7/linked\\_in?t=s4zitk](https://www.credly.com/badges/9638c331-1373-460a-ae75-d8e956fcabe7/linked_in?t=s4zitk)

Splunk Engineer Nov-2023  
Let's Defend  
<https://app.letsdefend.io/my-badges/detail/46a34386-60d9-43b1-9b4e-c7d671ca537b>

## Interests

System Admin  
Cloud Infrastructure (AWS)  
SRE  
Devops  
Cyber Security

## Languages

Tamil  
English