

Mohammed Rahil T

DevOps & Cloud Engineer

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PROFESSIONAL SUMMARY

DevOps Engineer with hands-on experience managing production Linux servers, CI/CD pipelines, and multi-cloud infrastructure across AWS and Azure. Skilled in containerization with Docker and Kubernetes, infrastructure monitoring, and security hardening across development and production environments. Proven ability to handle live deployments, incident resolution, and uptime responsibility in real-world infrastructure.

TECHNICAL SKILLS

Cloud Platforms: AWS (EC2, S3, IAM, VPC, ALB, CloudWatch), Microsoft Azure (VMs, Storage, Networking)

DevOps & CI/CD: GitLab CI/CD, GitHub Actions, Jenkins, Git, Version Control Workflows

Containerization & IaC: Docker, Docker Compose, Kubernetes, Terraform

Web Servers & Hosting: Nginx, Apache, Plesk, cPanel, DNS Management, SSL/TLS, Load Balancing, TCP/IP

Monitoring & Observability: Prometheus, Grafana, cAdvisor, CloudWatch

Server Automation & Scripting: Bash, PowerShell, Cron Jobs, Automated Backups, Task Scheduling

System Administration: Linux (Ubuntu, CentOS), MySQL, User Provisioning

Security Practices: IAM Policies, Security Groups, Firewall Rules, SSL/TLS Enforcement, SSH Hardening

PROFESSIONAL EXPERIENCE

DevOps Engineer | **Codelattice** | Kerala, India | Feb 2026 – Present

- Designed and implemented CI/CD pipelines using GitLab CI/CD and GitHub Actions, enabling fully automated build, test, and deployment workflows and significantly reducing manual deployment effort and release errors.
- Administered 10+ production Linux servers (Ubuntu/CentOS) across staging and production environments, ensuring high availability and minimal downtime through proactive monitoring, security hardening, and automated recovery scripts.
- Optimized server reliability by automating backups, log rotation, and health checks using Bash scripts and cron jobs, minimizing manual intervention in production.
- Standardized Git workflows by enforcing branching strategies (GitFlow), code review processes, and repository access controls, improving deployment reliability across development teams.
- Configured and maintained Nginx/Apache web servers, SSL/TLS certificates, and DNS records for live client applications, achieving zero-downtime deployments across hosted environments.
- Deployed and maintained client web hosting environments on Plesk and cPanel, handling application rollouts, domain management, and database provisioning for multiple live projects simultaneously.
- Monitor production infrastructure health using Prometheus and Grafana dashboards; resolve incidents across server, DNS, and application layers to maintain high availability and minimal downtime.
- Enforce IAM policies and security group rules; apply SSL/TLS hardening and firewall configurations across hosted client applications to maintain compliance and reduce attack surface.

Cloud Support Associate Intern | **Febno Technologies** | Kerala, India | Aug 2025 – Jan 2026

- Provisioned and maintained AWS and Azure resources (EC2/VMs, VPC, IAM, storage, networking) to support high-availability environments for client workloads.

- Deployed and maintained production web applications on AWS, Azure, cPanel, and Plesk, managing DNS configurations, SSL/TLS certificates, and database connections to ensure uptime for live client systems.
- Diagnosed and resolved production incidents across cloud infrastructure, DNS, email, and application layers, reducing mean time to recovery (MTTR) and maintaining client SLA commitments.
- Optimized Linux servers (Ubuntu/CentOS) and MySQL databases for performance and security, applying tuning configurations that improved query response times and reduced resource overhead.
- Implemented Docker and Kubernetes workflows for Odoo ERP and internal applications, standardizing deployment pipelines and eliminating environment inconsistencies between staging and production.
- Configured IAM roles and security group policies across AWS and Azure environments, enforcing least-privilege access and hardening cloud infrastructure against unauthorized access.

PROJECTS

High Availability Web Hosting Architecture on AWS | 2025

- Architected a production-grade HA environment on AWS using VPC with public/private subnets, EC2 Linux instances (Ubuntu), and Nginx as the web server layer across multiple Availability Zones.
- Engineered Application Load Balancer (ALB) routing with health checks and target groups to distribute live traffic across instances, achieving fault tolerance with zero single-point-of-failure.
- Implemented Auto Scaling Groups with custom scaling policies, enabling the environment to handle traffic spikes without manual intervention while optimizing EC2 costs during low-demand periods.

Odoo ERP Containerization & Infrastructure Monitoring | 2025

- Containerized Odoo 16 and Odoo 17 ERP applications using Docker and Docker Compose, defining multi-service stacks with PostgreSQL, Nginx reverse proxy, and persistent volume configuration for production-ready deployment.
- Architected a monitoring stack using Prometheus for metric collection and cAdvisor for real-time container resource analysis.
- Built Grafana dashboards with custom panels for real-time visibility into CPU usage, memory consumption, container restarts, and network I/O — enabling proactive incident detection before user impact.

KEY ACHIEVEMENTS

- Reduced deployment time and manual errors by designing end-to-end CI/CD pipelines using GitLab CI/CD and GitHub Actions, enabling consistent and rapid delivery to production.
- Maintained high availability across 10+ production Linux servers by implementing automated health checks, recovery scripts, and proactive monitoring — minimizing unplanned downtime.
- Improved incident detection speed by building a full observability stack (Prometheus + Grafana + cAdvisor) for containerized workloads, enabling real-time alerting before user-facing impact.
- Eliminated environment inconsistencies for Odoo ERP deployments by containerizing multi-version instances (Odoo 16 and 17) using Docker Compose with full PostgreSQL and Nginx stack configuration.

EDUCATION

Skill Diploma in Cloud Computing | Techno dot Academy | 2025 – Present

BA English | Calicut University | 2022 – 2025

AWS Certified Solutions Architect – Associate (In Progress) | Amazon Web Services | 2026