

Joseph M J

DevOps Engineer | Cloud & Platform Engineer

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🐙 GitHub: github.com/josephmj0303 🔗 Portfolio: joedevopslab.xyz

SUMMARY

DevOps Engineer with nearly 3 years of hands-on production experience in building and supporting cloud-native platforms using AWS, Kubernetes, Terraform, Docker, GitHub Actions and CI/CD practices. Backed by over 7 years of experience in Cloud & Systems Administration and a broader background of 13+ years in IT infrastructure and technical operations.

PROFESSIONAL HIGHLIGHTS

- Experience: Nearly 3 Years DevOps | 7+ Years Cloud & Systems Administration | 13+ Years IT Infrastructure
- CI/CD Pipeline Design: GitHub Actions, Jenkins, SonarQube, Nexus
- Kubernetes & GitOps: EKS, k3s, Helm, ArgoCD
- Infrastructure as Code: Terraform (AWS & Azure)
- Docker & Containerization
- Monitoring & Observability: Prometheus, Grafana, Loki, CloudWatch
- Linux Administration & Automation

CORE SKILLS

Cloud Platforms

AWS (EC2, EKS, IAM, VPC, ALB, RDS, S3, ECR, CloudWatch)
Azure (App Service, PostgreSQL Flexible Server, Static Web Apps)

Infrastructure as Code

Terraform, Ansible

Databases

PostgreSQL, MySQL, MSSQL

Containers & Orchestration

Kubernetes, Docker, Helm

Monitoring & Logging

Prometheus, Grafana, Loki, CloudWatch

Operating Systems

Linux, Windows

CI/CD & GitOps

GitHub Actions, GitLab CI, Jenkins, ArgoCD

Scripting

Bash, Python, PowerShell

PROFESSIONAL EXPERIENCE

DevOps Engineer

Dec 2023 – Aug 2026

Luna Software Solutions

- Designed and maintained CI/CD pipelines using GitHub Actions, Jenkins, SonarQube and Nexus to automate application delivery and improve release consistency.
- Provisioned and managed AWS infrastructure using Terraform, including VPC, EC2, ALB, EKS, RDS, ECR, CloudFront and IAM, enabling consistent and repeatable infrastructure deployments.
- Deployed and managed containerized applications using Docker, Kubernetes (EKS/k3s), Helm and ArgoCD following GitOps practices.
- Delivered cloud migration and modernization projects across AWS and Azure, including production deployments, reverse proxies, SSL/TLS and Microsoft SQL Server environments.
- Implemented centralized monitoring, logging and alerting using Prometheus, Grafana, Loki, Grafana Alloy and CloudWatch.
- Developed reusable Infrastructure as Code modules, deployment automation and operational standards to improve infrastructure consistency and scalability.

Cloud Administrator

May 2021 – Nov 2023

B.C.M. Educational Institutions

- Managed AWS and Microsoft Azure environments supporting educational infrastructure, including compute, storage, networking and identity management.
- Configured cloud networking components including VPCs, virtual networks, subnets, security groups and firewall policies.
- Deployed and maintained Linux and Windows virtual servers hosting web applications and database systems.
- Implemented backup, disaster recovery and storage management strategies to improve system availability and business continuity.
- Automated administrative tasks using Bash and PowerShell while monitoring cloud resources and troubleshooting infrastructure issues.

System Administrator

Jul 2016 – Apr 2021

B.C.M. Educational Institutions

- Administered Windows and Linux servers, Active Directory, DNS, DHCP and user account management for academic and administrative environments.
- Installed, configured and maintained servers, desktops, printers and network infrastructure while implementing backup and endpoint security practices.
- Automated routine administrative tasks using Bash and PowerShell and provided advanced technical support to maintain reliable IT operations.

Technical Support Engineer (L1 & L2)

Aug 2012 – May 2016

- Provided Level 1 and Level 2 technical support for Windows systems, hardware, networking and enterprise applications while ensuring timely incident resolution.
- Served as Group Leader, coordinating support activities, assisting junior technicians and maintaining service quality.

Earlier roles

2003 – 2012

Office Assistant • Computer Operator • Science Lab Assistant

FEATURED DEVOPS PROJECTS

VProfile GitOps EKS Platform

[AWS EKS](#) | [ArgoCD](#) | [Terraform](#) | [GitHub Actions](#) | [Helm](#) | [ECR](#) | [Slack](#) [↗](#)

- Designed and implemented a GitOps platform on AWS EKS using Terraform, ArgoCD, Helm, and GitHub Actions.
- Automated Docker image build, security scanning, and deployments via GitHub Actions, Amazon ECR, and ArgoCD.
- Implemented IRSA, AWS Load Balancer Controller, SonarCloud, and Slack-integrated deployment workflows.

Emart DevOps Platform

[Microservices](#) | [Kubernetes \(k3s\)](#) | [GitOps](#) | [Observability](#) [↗](#)

- Designed and deployed Node.js, Java, Angular microservices on k3s using Docker and Kubernetes manifests.
- GitHub Actions CI pipelines and ArgoCD-based GitOps deployments.
- Integrated Prometheus + Grafana for observability and Trivy for container security scanning.

AWS EKS .NET Microservices Platform

[AWS EKS](#) | [Terraform](#) | [.NET Core](#) | [Prometheus](#) | [Grafana](#) [↗](#)

- Containerized .NET microservices on EKS; Terraform-provisioned VPC, RDS PostgreSQL, EKS cluster.
- ALB/NGINX Ingress for external traffic routing; GitHub Actions CI/CD for automated build and deploy.
- Prometheus + Grafana integrated for cluster and application-level monitoring.

Azure DevOps E-Commerce Platform

[Azure App Service](#) | [PostgreSQL Flexible Server](#) | [Terraform](#) | [GitHub Actions](#) [↗](#)

- Migrated e-commerce application from VPS to Azure App Service, PostgreSQL Flexible Server, and Static Web Apps.
- Provisioned Azure infrastructure with Terraform and automated deployments using GitHub Actions pipelines.

Additional DevOps Projects:

More production-grade DevOps implementations are available on GitHub and the portfolio website.

GitHub: github.com/josephmj0303 [↗](#) | **Portfolio:** joedevopslab.xyz [↗](#)

EDUCATION

Bachelor's Degree (B.Sc.)

2003

St. Mary's College, Sulthan Bathery

CERTIFICATIONS & TRAINING

AWS DevOps Engineering Training (MNP Technologies)

DevOps Beginners to Advanced with Projects (Udemy)

Azure Administrator Training (Pragathi Technologies)

Computer Hardware & Networking (Jetking)