

# Joseph M J

DevOps Engineer | AWS Cloud Engineer | Platform Engineer

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🐙 GitHub: [github.com/josephmj0303](https://github.com/josephmj0303)    🔗 Portfolio: [joedevopslab.xyz](https://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 – Present

#### 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

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

## EDUCATION

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### Bachelor's Degree (B.Sc.)

2003

**St. Mary's College, Sulthan Bathery**

## CERTIFICATIONS & TRAINING

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AWS DevOps Engineering Training (MNP Technologies)

DevOps Beginners to Advanced with Projects (Udemy)

Azure Administrator Training (Pragathi Technologies)

Computer Hardware & Networking (Jetking)