

## Dilip kumar

Ph: 6369257304 | Email: [dilipbca99@gmail.com](mailto:dilipbca99@gmail.com) | [LinkedIn](#) DevOps Engineer |  
AWS | Docker | Kubernetes | Jenkins | CI/CD | Terraform

### CAREER PROFILE

DevOpsEngineer with a Master's in Computer Science and hands-on experience in AWS, Docker, Kubernetes, Jenkins and Terraform. Proven ability in building secure, scalable CI/CD pipelines, container orchestration, Infrastructure as Code and monitoring solutions. Adept at applying GitOps and DevSecOps best practices to streamline development workflows.

### TECHNICAL SKILLS

- Cloud: AWS
- Containerization & Orchestration: Docker, Kubernetes
- CI/CD : Jenkins, Shell Scripting , Argocd
- Monitoring & Observability: Prometheus, Grafana, ELK
- IaC Tools: Terraform and Ansible
- Version Control: Git, GitHub
- DevSecOps: SonarQube, Trivy, gitleaks, Owasp Dependency-check
- Operating Systems & Scripting: Linux, Bash/Shell

### PROJECTS SUMMARY

#### Cloud-NativeCI/CDPipeline with Kubernetes, Monitoring, and DevSecOps

Github Repository Link: [View Code](#)

- Built a scalable CI/CD pipeline for a containerized React app using Jenkins, Docker, and Shell scripting, automating the entire SDLC and reducing deployment time by 75%.
- Deployed workloads on AWS EC2 and EKS Kubernetes with Terraform-based infrastructure provisioning, networking, and IAM role management.
- Implemented real-time monitoring with Prometheus and Grafana, enabling proactive alerting, error tracking, and system performance insights.

#### Automated Nginx Application Deployment using Terraform and AWS CI/CD Stack

Github Repository Link: [View Code](#)

- Automated CI/CD pipeline deploying Dockerized React app to EKS, reducing release time by 70%. Provisioned
- infrastructure **AWS (VPC, EC2) with Terraform** ensuring 100% reproducibility of cloud resources.
- Kubernetes probes achieving 40% better cluster resource utilization. Enabled **SNS and Jenkins-based build notifications**, improving response time and development efficiency by 70%.

### PROFESSIONAL EXPERIENCE

#### Zeomega infotech pvt ltd, India

Nov 2022 – Oct 2024

- Supported the design and maintenance of CI/CD pipelines using Jenkins, GitHub, and Shell scripting, reducing build and deployment times for development teams.
- Assisted with provisioning and configuring AWS infrastructure (EC2, S3, IAM) for internal applications using Terraform, enabling repeatable infrastructure deployments.
- Implemented Terraform modules for managing AWS resources, improving infrastructure reproducibility and version control.
- Monitored application performance using Prometheus and Grafana, setting up alerts for key system metrics and reducing downtime.
- Participated in daily Agile standups, collaborated closely with developers and QA teams, and maintained version control via Git and GitHub.

### EDUCATION

#### Madurai kamaraj university, India

Master of Science (MCA), Computer Application – Distinction

July 2022 – May 2024

#### Bharathiar University, India

Bachelor of Computer Application (BCA) | CGPA: 8.9

July 2017 – May 2020