Dilip **Kumar**

DEVOPS AND CLOUD ENGINEER

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Sum**mary**

Experienced DevOps and Cloud Engineer adept in Kubernetes orchestration and cloud infrastructure management. Skilled in automating deployment, optimizing scalability, and implementing CI/CD pipelines using Jenkins for Continuous Integration (CI) and ArgoCD for Continuous Deployment (CD). Proficient in Terraform, Docker, Kubernetes, and Python for automation.

Single-handedly managed the entire cloud infrastructure, deployments, and operations across AWS and GCP for a fintech company, supporting multiple high-profile clients while ensuring high availability, security, and scalability.

Edu**cation**

Indian Institute of Information Technology Vadodara   *Gandhinagar, Gujarat*

BACHELOR OF TECHNOLOGY IN INFORMATION TECHNOLOGY   *May 2024*

Wor**k Experience**

Decimal Technology   *Bengaluru, Karnataka*

DEVOPS ENGINEER (FULL-TIME)   *Mar. 2025 - Present*

- Successfully migrated entire company infrastructure (120+ EC2, 15+ RDS, 10+ S3) to AWS within 3 days with zero downtime using Python automation scripts and AWS CLI, including VPC design with secure public/private subnets and NAT gateways.
- Configured Redis/RabbitMQ clusters with VPC-restricted security groups and deployed EKS/RDS in private subnets accessed via bastion host.
- Implemented ECR and deployed containerized applications on EKS using Ingress/Deployment YAMLs for React, Node.js and ML services.
- Automated CI/CD pipelines with Jenkins for all microservices and established ALB with Route 53 integration.
- Completed GCP-to-AWS migration using SCP/TAR for VM data and SQL dumps for database transfer.

Namaste Credit   *Bengaluru, Karnataka*

INTERN & DEVOPS ENGINEER   *Jul. 2024 - Feb. 2025*

- Independently managed the entire company's DevOps and cloud infrastructure operations as an intern, overseeing cloud resource provisioning, Kubernetes orchestration, CI/CD pipeline management, and production environment troubleshooting, ensuring seamless operations and optimal system performance.
- Executed the complete migration of a portal from the company's AWS account to the client's AWS account, involving seamless transfer and configuration of EC2 instances, RDS databases, S3 buckets, Lambda functions, and application-level configurations; orchestrated Kubernetes setup with Deployment YAMLs, Service YAMLs, and Ingress configurations; established CI/CD pipelines leveraging Jenkins and implemented GitOps workflows using ArgoCD for automated deployment and version control.
- Automated End-to-End Deployment: Streamlined the CI/CD pipeline using Jenkins and ArgoCD for Node.js, React.js, and Python applications, reducing deployment time and improving reliability.
- Migration to EKS: Moved applications from EC2 to an EKS cluster. Created deployment pipelines with Jenkins and ArgoCD, and wrote YAML manifests for deployments, services, HPA, and ingress. Integrated AWS Load Balancer and Route 53 for traffic management and DNS.
- Cloud Automation: Implemented cloud automation using Terraform for AWS services, such as VPC, NAT gateways, EC2, Launch Templates, ALB, and ASG, ensuring consistent and repeatable deployments.

Tec**hnical Skills**

- **Cloud Platforms:** AWS (EC2, S3, EKS, RDS, ECR, VPC, Load Balancer, Route 53, Cognito, Lambda, IAM)
- **Containerization and Orchestration:** Docker, Kubernetes
- **CI/CD:** Jenkins, ArgoCD
- **Infrastructure as Code:** Terraform
- **Scripting and Programming Languages:** Python, Bash/Shell Scripting, SQL
- **Technologies:** Node.js, Express.js, MongoDB
- **Monitoring:** Prometheus, Grafana
- **Tools:** Linux Shell, VS Code