

# Dileepa Praveen

DevOps Engineer | Cloud Infrastructure & Automation Specialist

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## PROFILE SUMMARY

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Results-driven DevOps Engineer with 2+ years of production experience in cloud infrastructure, container orchestration, and CI/CD automation. Proven expertise in Docker, Kubernetes, Terraform, and Jenkins with hands-on experience building and maintaining scalable cross-platform systems on GCP and AWS. Strong advocate of DevOps principles and Agile methodologies, focused on infrastructure automation, cost optimization, and system reliability.

## WORK EXPERIENCE

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### Junior Software Engineer

Sep 2024 – Dec 2025

*Ceylon Linux*

*Battaramulla, Sri Lanka*

- Deployed and maintained production cloud infrastructure on AWS and GCP (EC2, S3, Compute Engine) with 99.8% uptime.
- Implemented Infrastructure as Code (IaC) using Terraform and CloudFormation, reducing deployment time by 60%.
- Built and maintained multi-cloud CI/CD pipelines using Jenkins and GitHub Actions.
- Managed Kubernetes clusters for production workloads supporting 10K+ daily requests.
- Established monitoring via Prometheus, Grafana, and CloudWatch, leading to 40% faster incident resolution.
- Optimized cloud resource utilization through rightsizing and automation, reducing infrastructure costs by 20%.
- Managed IAM policies and security groups ensuring compliance with security best practices.
- Developed Python automation scripts for infrastructure management and log analysis.

### Freelance DevOps & Cloud Engineer

Jan 2022 – Present

*Upwork*

*Remote*

- Architected and deployed scalable cloud infrastructure on GCP focusing on reliability and cost-efficiency.
- Developed comprehensive Terraform templates for rapid provisioning and disaster recovery.
- Built CI/CD pipelines integrating GitHub Actions and Jenkins for continuous delivery workflows.
- Implemented ELK Stack (Elasticsearch, Logstash, Kibana) for centralized logging and performance analysis.
- Containerized applications and orchestrated deployments on Kubernetes to improve consistency.

## TECHNICAL PROJECTS

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### Proactive Autoscaling Framework (Research)

Jun 2025 – Present

*Kubernetes, EKS, Prometheus, Grafana, Argo Rollouts, Python*

- Designed a proactive scaling framework for Kubernetes using a hybrid EKS/local VM environment.
- Implemented Argo Rollouts for automated canary deployments, achieving 99.9% uptime during scaling.

### Acquisitions API for SaaS Marketplace

Sep 2025 – Present

*Node.js, Docker, Kubernetes, PostgreSQL, Helm*

- Built Node.js REST API supporting 10K+ daily requests, deployed via K8s with automated CI/CD.
- Configured load balancing and auto-scaling for high availability and performance.

### Patient Management System

Jun 2025 – Jul 2025

*Java, Spring Boot, Docker, gRPC, Kafka, Terraform*

- Developed microservices platform with REST/gRPC APIs and event-driven communication via Kafka.
- Automated deployments using Terraform and containerized services with Docker.

## TECHNICAL SKILLS

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- **DevOps & Cloud:** Docker, Kubernetes, Terraform, Ansible, Jenkins, GitHub Actions, GCP, AWS, Azure, Helm, Argo Rollouts.
- **Monitoring:** Prometheus, Grafana, CloudWatch, ELK Stack.
- **Languages & Frameworks:** Python, Bash, Java (Spring Boot), Node.js (Express), Maven, Gradle.
- **Databases:** MySQL, MongoDB, PostgreSQL, Prometheus.

## EDUCATION

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**BSc (Hons) in IT Specializing in Software Engineering**

**Jun 2022 – Jun 2026**

*Sri Lanka Institute of Information Technology (SLIIT)*

*Malabe, Sri Lanka*

- Focus: Cloud Computing, Software Engineering, Database Systems, Networks, OS.

## CERTIFICATIONS & LEADERSHIP

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- **Certifications:** AWS Fundamentals, PYTHON/AI/ML Engineer, Agile Software Development (Scrum).
- **Vice President - Microsoft Club | SLIIT:** Led 30+ member team and organized 10+ tech workshops.