

KASUN MADHUSHAN

UNDERGRADUATE

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SUMMARY

As an enthusiastic candidate, I am looking for DevOps Engineer and Cloud Engineer role. I am proficient in both collaborative team settings and as an independent contributor, possessing a strong drive for innovation, problem solving and experience in automation and troubleshooting.

PROFESSIONAL EXPERIENCE

June 2023 - Present

Web Developer in New Pacific Systems & Technologies

- Designed and developed websites using platforms like WordPress, Wix and Feacreate achieving a 30% increase in client engagement.

PROJECTS

10 +

CI/CD Pipeline for a Node.js Application

implemented an end-to-end CI/CD pipeline using github actions, reducing deployment time by 60% and improving code quality. Key achievements:

- Automated build, test, and deployment processes with zero-touch deployment strategy.
- Containerized the application using Docker, achieving 40% reduction in environment setup time.
- Implemented automated testing frameworks that caught 95% of issues before production.
- Established monitoring and logging solutions using ELK stack for real-time performance tracking.
- Reduced deployment failures by 75% through automated rollback mechanisms.

Deployment of a Highly Available Web Application on AWS

Designed and executed a production-grade cloud infrastructure on AWS, achieving 99.9% uptime. Key implementations:

- Orchestrated infrastructure using Terraform, reducing provisioning time from days to hours.
- Configured auto-scaling groups that automatically handle 200% traffic spikes.
- Implemented blue-green deployment strategy for zero-downtime updates.
- Reduced monthly cloud costs by 30% through resource optimization.

Wamhands - A Disaster Management System

- Users can report incidents with details and photos.
- Admin verification of reported incidents.
- Email notifications to users in the affected area after admin confirmation.
- Responsive and user-friendly interface built with MERN stack.

PRO SKILLS

Github actions | Jenkins
Bash | Python | Ansible
Linux | Windows
AWS | GCP | AZURE
Docker | Kubernetes
Prometheus | Grafana

SOFT SKILLS

Communication skill
Time management
Adaptability
Problem-solving
Critical thinking
Teamwork

EDUCATION

BSc in Information and Communication Technology

Specialized in Network Technology
Faculty of Technology
University of Jayewardenepura
Oct 2021 - Present

Full Stack Developer Certification

University of Moratuwa
Oct 2021 - Dec 2022

REFERENCES

Dr. D.L.Chamara Pramod Liyanage
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