

KASUN MADHUSHAN

UNDERGRADUATE

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SUMMARY

A dedicated Network Technology undergraduate with expertise in DevOps and cloud technologies. Passionate about creating scalable and efficient solutions, eager to contribute technical skills, and gain practical experience through an internship in a dynamic and innovative organization.

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

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