

# 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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