KASUN MADHUSHAN

UNDERGRADUATE

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SUMMARY

I am a determined and self-assured individual with expertise in streamlining development workflows, automating deployment processes, and enhancing system reliability. My background includes scripting, monitoring, and troubleshooting, which all contribute to my ability to optimize performance and scalability. I am skilled in collaborating across teams to deliver robust and efficient solutions. I am passionate about leveraging technology to drive innovation and operational excellence.

PROFESSIONAL EXPERIENCE

Graphic Designer in New Pacific Systems & Technologies   **June 2023 - Present**
- Created user-focused designs, including logos, banners, UI designs and prototypes, while collaborating with teams to deliver high-quality visuals.
- Managed multiple projects, ensured timely delivery, and incorporated the latest design trends.

PROJECTS   **10 +**

CI/CD Pipeline for a Node.js Application
- Built a CI/CD pipeline using Jenkins to automate code build, testing, and deployment processes.
- Integrated Docker to containerize the application, simplifying deployment to Kubernetes clusters.
- Deployed the application to a Kubernetes cluster (EKS) with Helm charts for efficient resource management.

Deployment of a Highly Available Web Application on AWS
- Designed and deployed a scalable web application using EC2 instances behind an AWS Elastic Load Balancer.
- Automated the provisioning of infrastructure using Terraform, ensuring consistency and repeatability.
- Implemented auto-scaling policies to handle traffic surges, reducing downtime during peak hours.

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 React.js

PRO SKILLS

Automation Tools	Cloud Technologies (AWS)
Scripting	Version Control
Linux Systems	MERN Stack

SOFT SKILLS

Problem-solving	Communication skill
Critical thinking	Time management
Teamwork	Adaptability

EDUCATION

BSc in Information and Communication Technology   **Oct 2021 - Present**
Specialized in Network Technology
Faculty of Technology
University of Jayewardenepura

ADDITIONAL INFORMATION

- **Languages:** English, Sinhala
- **Certifications:** Full Stack Developer Certification in University of Moratuwa