SASANKA RANAWAKA

Undergraduate|Aspiring Intern DevOps Engineer

Colombo, Sri Lanka | sasankaranawaka0@gmail.com | https://www.linkedin.com/in/sasankad101 | +94 76 244 7606

Summary

Motivated BICT (Hons) undergraduate at the University of Sri Jayewardenepura with strong foundations in system administration, cloud computing, DevOps practices, and networking. Proficient in Linux, Docker, CI/CD pipelines, GitHub Actions, and cloud technologies, with additional exposure to modern software development. Continuous learner with solid problem-solving and teamwork skills. Seeking an internship to apply technical abilities, support IT operations, contribute to scalable, and impactful solutions in the ICT industry.

Area of Expertise

System Administration	Docker & Containerization	Automation & Shell Scripting	Cloud Computing
Network Fundamentals	CI/CD Pipeline Development	DevOps Tools & Practices	Version Control

Experience

Codeku DevOps Academy   May 2025 – Current
Freelance Technical Blogger
- Create and publish 4+ technical blogs focused on DevOps technologies, including Docker, Git, CI/CD, Linux, Jenkins and Kubernetes.
- Educate and share practical knowledge to help professionals and learners grow in the tech field.
- Demonstrate strong communication and technical written skills through consistent content delivery.

University of Sri Jayewardenepura   Dec 2024 – Feb 2025
Program & Event team member - Japura CryptX 1.0
- Facilitated team communication using agile practices, reducing task delays by 20%.
- Coordinated with more than 10 industry professionals to organize CTF and Hackathon events for over 100 participants, achieving high participant satisfaction.

Education

Faculty of Technology, University of Sri Jayewardenepura   Jul 2023 – Jan 2027
Bachelor of Information and Communication Technology Honors (R)
- 3.81 GPA, Specialization in Network Technology.
- Successfully managed a third-year university mini project with tight deadlines.
- Member of IEEE Communication Society, Vikings Club, ICTS.

University of Moratuwa   Sep 2025 – Mar 2026
Cisco Certified Network Associate: (200-301 CCNA) (R)
- Achieved 90% in the ITN module by leveraging technical knowledge, and demonstrating analytical skills through consistent effort.

British Way English Academy   Feb 2022 – Aug 2022
Diploma in English
- Earned Merit Pass in Diploma in English through consistent effort and commitment to excellence.

Mahinda Rajapaksha College, Matara   Jul 2020 – Sep 2022
G.C.E Advanced Level Examination in the Engineering Technology Stream.
- Achieved 3 A's (SFT – A, ET – A, ICT – A)

Skills

Cloud & DevOps:
- AWS (VPC, EC2, S3), Docker, Jenkins, GitHub Actions, CI/CD, Nginx

System Administration:
- Linux, Shell Scripting, User & Permission Management, System Automation (Basic)

Development & Tools:
- Git, GitHub, Python, Java, NodeJS, MySQL

Projects

Jenkins Pipeline with SonarQube, Docker, GitHub Webhooks and AWS

Technologies: Jenkins, Docker, GitHub Webhooks, AWS EC2, SonarQube

Key contributions:
- Designed and implemented a fully computerized CI/CD pipeline using Jenkins, reducing manual deployment time by 70%.
- Integrated GitHub Webhooks to trigger pipelines automatically on each code push, improving development workflow efficiency.
- Built Docker images and processed containerized deployments on AWS EC2 for consistent and reliable application releases.

Links: GitHub | Medium Blog

Cross Cloud Site-to-Site VPN Connectivity between AWS and Microsoft Azure

Technologies: AWS VPC, EC2, NAT Gateway, VPN Gateway, IAM, AWS Systems Manager, Azure VNet, NSG

Key contributions:
- Successfully build a 100% private site-to-site VPN enabling bi-directional connectivity between 2 cloud platforms (AWS & Azure).
- Configured IPSec VPN tunneling using AWS VPN Gateway and Azure Virtual Network Gateway, ensuring encrypted cross-cloud traffic.
- Enabled 100% keyless VM access via AWS Systems Manager (IAM + SSM) and validated end-to-end private IP connectivity.

Link: Medium Blog

References

Nuwan S. KURUWITAARACHCHI Ph.D.
Senior Lecturer,
Department of ICT,
Faculty of Technology,
University of Sri Jayewardenepura,
Email: kuruwita@sjp.ac.lk
Mobile: 0772223674

Dr. D.L Chamara Pramod Liyanage,
Senior Lecturer,
Department of ICT,
Faculty of Technology,
University of Sri Jayewardenepura,
Email: dlchamara@sjp.ac.lk
Mobile: 0766520645