

PROJECTS

- **NFV (Network Function Virtualization) Demonstration with Socket Programming in C.**

Technologies: Linux(Ubuntu Server) OpenStack(NFVOs) / OpenDaylight(SDN) / OpenDaylight(VNFs)

- **Install and configure the latest version of Samba as a Active Directory Domain Controller in a Linux OS environment.**

Technologies: Virtual Machines(VMware Workstation) Ubuntu, Windows 10 pro

- **Oracle Database Deployment:** Installed Oracle 12c in Windows, managed PDBs, user administration, security, and backup/recovery on Microsoft Azure Cloud.

- **Implement a networking project from HealthCare hospital.**

Technologies: Project presentation, PKT file and a Final Report was created for this project(cisco packet tracer)

- **Implementation and Monitoring of Microservices and Application Servers Using Grafana, Prometheus, JMX Exporter, and Node Exporter. (Ceylinco life DOXMATE project - Associated with Epic Lanka).**

Technologies: grafana, prometheus, JMX exporter, Node exporter

- **End-to-End Setup and Configuration of Live and UAT Environments for DOXMATE with Multi-Tier Architecture and Advanced Processing Capabilities(Ceylinco life/ Vallible finance - Associated with Epic Lanka).**

Technologies: RHEL8, java 8/11, python 3.10.12, nginx, apache tomcat, NFS, mysql 5.7, Percona XtraDB Cluster, HA Proxy

- **Automated Deployment and Monitoring of a Web Application Using Jenkins, Ansible, Docker, Prometheus.**

Technologies: Vmware Workstation Linux(Contos 7) , docker , jenkins, ansible, prometheus/ grafana, git.

- **Configuration, Maintenance, and Issue Resolution of UAT and Live Environments for Mission-Critical Government Projects. (Valuation Department Stamp Duty Opinion System, Business Name Registration System, Coastal Ministry and Ministry of Foreign Affairs Systems - Associated with Epic Lanka)**

Technologies: RHEL8, glashfish, nginx, apache, mysql, docker, NFS, java

- **Implementing Database Load Balancing and High Availability with ProxySQL and Percona XtraDB Cluster for Production Environments(Associated with Epic Lanka)**

Technologies: MySQL, proxysql, Percona XtraDB Cluster, Red Hat Enterprise Linux (RHEL)

- **Automated CI/CD Pipeline for 7 Backend and 2 Frontend Microservices with Jenkins, Docker, and Git(Associated with Epic Lanka)**

Technologies: docker , jenkins, rhel 8

CERTIFICATIONS

- **Introduction to DevOps** -Issued by: Coursera | Authorized by: IBM
- **Introduction to Cloud Computing** -Issued by: Coursera | Authorized by: IBM
- **Hands-on Introduction to Linux Commands and Shell Scripting** - Issued by: Coursera | Authorized by: IBM
- **AWS Cloud Technical Essentials** -Issued by: Coursera | Authorized by: AWS
- **Introduction to Containers w/ Docker, Kubernetes & OpenShift** - Issued by: Coursera | Authorized by: IBM
- **Oracle Cloud Infrastructure 2023 Certified Foundations Associate** - Oracle
- **NDG Linux Unhatched Course** - Cisco Networking Academy
- **AZ-104: Microsoft Azure Administrator** - [KodeKloud](#)

REFERENCE

Ms.Shashika L. Lokuliyana

M.Sc. (IT) SLIIT, B.Sc.(Sp.) Hons in IT (Spec. in CSN) (SLIIT), MIEEE, MCSSL, MISOC
Senior Lecturer
CSNE Degree Program Coordinator
Secretary - IEEE Computer Society Sri Lanka Section
Committee Member - IEEE WIE Sri Lanka Section
Registrations Co-Chair - ICAC 2023 SLIIT, Malabe Campus, Sri Lanka.
shashika.l@sliit.lk | shashika0791@gmail.com
+94 77 2240 237

Mr.Shanika Sugathadasa

System Support Engineer
Epic Lanka (Pvt) Ltd
Epic Techno - Village 158/1/A/ Kaduwela Road
Thalangama Battaramulla 10120 Sri Lanka.
shanika_s@epiclanka.net
+94 76 6847 353