THANURA RUKSHAN

ENGINEERING UNDERGRADUATE | CLOUD ENTHUSIAST
thanurarukshan2000@gmail.com | thanurarukshan.web.app | +94779371866
linkedIn: linkedin.com/in/thanurarukshan/ | github: github.com/thanurarukshan

EDUCATION

B.Sc. (Hons) Eng. in Information and Communication Engineering
2022 – 2026
SLTC Research University

GCE Advanced Level, 2019
Physical Science Stream
2006 – 2019
Mahinda College Galle

SKILL SET

Languages | *Python, JavaScript (JS), Java*

Cloud / DevOps | *Docker, Kubernetes, Ansible, OpenShift, CI, CD, AWS, GitHub Actions, Tekton, Prometheus, Alert Manager, Grafana*

Database | *MySQL, MongoDB*

Software Engineering | *Agile, OOP (Object Oriented Programming), Shell/Bash Scripting, Scrum, Git, Linux, Data Structures and Algorithms*

Networking | *Networking Fundamentals, Network Security*

Web - Front End | *HTML, CSS, React JS*

Web – Back End | *Node JS, Express JS*

UI/UX | *Figma*

CERTIFICATIONS

AWS Academy – Cloud Foundations
AWS

Introduction to Containers, Docker, Kubernetes and OpenShift
Coursera

Continuous Integration and Continuous Delivery (CI/CD)
Coursera

Containers and Kubernetes Essentials
Coursera

Linux for Developers

ABOUT ME

Hardworking Engineering undergraduate with a strong IT background. Self-motivated and a fast learner, eager to leverage my skills and gain practical knowledge through a challenging opportunity.

EXPERIENCE

Trainee DevOps Engineer | 2024 July - Present
hSenid Mobile Solutions

- *Wrote Ansible Scripts to automate tasks (Disk Partitioning, Fresh OS Setup), Testing and debugging pre-written ansible scripts (MySQL, mongo DB binary installation).*
- *Security Hardening on Apache server (CIS | Apache 2.4), applied security patches on configuration files and change the user privileges, permissions to achieve the proposed hardening level.*
- *Experience with clustered systems (PCS Clusters), worked with a web servers hosted on a clustered system.*
- *API Endpoint testing (Postman, curl, wiremock)*
- *System Monitoring, Setup Monitoring tasks to trigger with the module availability, send snmp alerts (Grafana, Prometheus, snmp_notifier, alert_manager, node_exporter)*
- *Shell Scripting, wrote shell scripts to automate tasks (backup creation, file comparison), worked with complex shell-based framework which using within the organization, written for file housekeeping, log rolling, monitoring.*
- *Working in Agile environment, daily standups, SDLC*
- *Experience in Git environments, Linux filesystems/tools, networking concepts/diagrams, network hardening methodologies, OS hardening methodologies.*

SLTC SOC 2.0 | 2023 - 2023
SLTC Research University
Worked for the university IT Department for three months.

FREELANCER | 2019 - 2022
Fiverr, Freelancer and Upwork
Worked as a graphic designer on online freelancing platforms

PROJECTS

Diff-Pro (A tool to Advanced File Comparison)
Shell Scripting, Linux
a Linux-based tool created by me for advanced file comparison.
GitHub: https://github.com/thanurarukshan/diff-PRO

Coursera
Cloud Computing Foundations
Great Learning
Cloud Foundations - Advanced
Great Learning
AWS for Beginners
Great Learning
Data Structures and Algorithms in Java for Intermediate Level
Great Learning
Introduction to Agile Development and Scrum
Coursera
Networks and Network Security
Coursera

AWARDS AND HONORS

ACES Coders v11.0 Hackathon 2024
Association of Computer Engineering Students – UOP
16th place over 100 teams
Cypher Hackathon 2023
Kotelawala Defense University
Our team won 5th place
ACES Coders v10.0 Hackathon 2023
Association of Computer Engineering Students – UOP
Duothan 3.0 - Web Development 2023
IEEE Student Branch of NSBM
built a solution for a given real world problem, placed among top 10 teams
ACES Coders v9.0 Hackathon 2022
Association of Computer Engineering Students – UOP
Codemania v3.0 Hackathon 2022
SLTC Research University
Our team won 8th place

CI CD Final Project (Solo Project)
CI/CD pipelines, GitHub Action, Tekton
this was created for an assignment for the course CI/CD by Coursera
GitHub: https://github.com/thanurarukshan/ci-cd-final-project

Portfolio Website (Solo Project)
React JS, JavaScript, HTML, CSS, Firebase Hosting
GitHub: https://github.com/thanurarukshan/React-Portfolio-V2.0

Property Selling web app (Duo Project)
React JS, JavaScript, HTML, CSS, MySQL, JSON
used react hooks where necessary, used single json file to fetch data, drag and drop, advanced search. Completed within two days
GitHub: https://github.com/thanurarukshan/property-selling-web-app-static

REST API demonstration (Solo Project)
React JS, JavaScript, Node JS, Express JS
created a simple CRUD application for learning purposes.
GitHub: https://github.com/thanurarukshan/Rest-API-React-Front-End, https://github.com/thanurarukshan/Rest-API-Node-Back-End

Login Form (Solo Project)
React, Node, Express, MySQL, JWT Authentication
used password hashing with bcrypt for enhanced security and sessions to keep users logged in.
GitHub: https://github.com/thanurarukshan/Login-React-Express-MySQL
updated version with JWT Authentication
GitHub: https://github.com/thanurarukshan/Authentication-JWT

VOLUNTEERING AND ORGANIZATIONS

SEDS SLTC
Satellite and IT Divisional Manager
Jan. 2024 – Present
IEEE Young Professionals - Innovation Nation Sri Lanka 2024
Coordinator
Jan. 2024 – Present
IEEE Young Professionals - Innovation Nation Sri Lanka 2023
Design Team Lead (Colombo South)
July 2023 – Jan. 2024
IEEE Sri Lanka Section Student Summit and IEEE Jambor 2023
Organizing Committee
2024
IEEE Student Branch of SLTC - Public Visibility Sub Committee Head
June 2023 – June 2024
IEEE Student Branch - Member
June 2022 – Present
Leo Club of SLTC Director – Research and Development
2023 - 2024
Leo Club of SLTC - Member
2022 – Present
SLTC Media Unit - Graphic Designer
2022 – 2023