

THANURA RUKSHAN

ENGINEERING UNDERGRADUATE | CLOUD ENTHUSIAST

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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/thanuraruksan/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

Codemia 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/thanuraruksan/ci-cd-final-project>

Portfolio Website (Solo Project)

React JS, JavaScript, HTML, CSS, Firebase Hosting

GitHub: <https://github.com/thanuraruksan/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/thanuraruksan/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/thanuraruksan/Rest-API-React-Front-End>,
<https://github.com/thanuraruksan/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/thanuraruksan/Login-React-Express-MySQL>
updated version with JWT Authentication

GitHub: <https://github.com/thanuraruksan/Authentication-JWT>

VOLUNTEERING AND ORGANIZATIONS

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 - Present

IEEE Student Branch - Member

June 2022 – Present

Leo Club of SLTC Director – Research and Development

2023 - Present

Leo Club of SLTC - Member

2022 – Present

SLTC Media Unit - Graphic Designer

2022 – 2023