



NETHMI NIKESHALA



CONTACT ME AT

 E3, Isurupura, Malabe, Sri Lanka.

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SKILLS SUMMARY

AWS

Linux

Python

GCP

Power BI

CI/CD

Bash Script

Docker

Ansible

Jenkins

Terraform

Kubernetes

Git

Bitbucket

Java

Spring boot

Time Management

Leadership

Experienced DevOps Engineer with over 3 years of hands-on experience in Python, Java, Linux, Bash, and web development. Seeking to leverage expertise in automation, cloud technologies, and infrastructure management to design scalable infrastructures, streamline CI/CD pipelines, and integrate cross-functional solutions. Proficient in building resilient systems while ensuring seamless deployment processes to support business growth and innovation.

WORK EXPERIENCES

DevOps Software Developer

[ivedha Inc.](#) | 2023 Aug – 2024 Sep

Designed and implemented scalable CI/CD pipelines, automating software builds, tests, and deployments across cloud-based environments (GCP).

Developed infrastructure as code (IaC) using Terraform and Ansible, enhancing infrastructure scalability and security.

Automated security assessments and penetration testing using Kali Linux, identifying and mitigating vulnerabilities in web applications and networks.

Collaborated with cross-functional teams to integrate microservices architecture, utilizing Docker for container orchestration.

Developed the frontend using react and developed backend for secure vulnerability predicting dashboard.

Associate DevOps Engineer

[Wavenet Global Solution](#) | 2022 June – 2023 May

Engineered automated workflows for CI/CD pipelines using Jenkins, GitLab, and Docker, reducing manual intervention by 40%.

Collaborated on full-stack development projects in Java for server-side logic and react js for frontend development.

Monitored and optimized system performance, reducing downtime and improving deployment speeds by 30%.

Deployed and maintained Kubernetes clusters for managing microservices, improving resource efficiency and fault tolerance.

Integrated security best practices within pipelines, ensuring compliance with industry standards for secure code delivery.

Associate DevOps Developer

[Code Island](#) | 2021 May – 2022 May

Monitored cloud infrastructure using AWS CloudWatch and set up automated alerts for system anomalies.

Worked closely with development teams to troubleshoot and resolve issues in staging and production environments.

Developed and maintained backend services using Python and Java, building RESTful APIs and microservices architectures to support scalable applications.

PERSONAL DETAILS

- NAME : H. A. Nethmi Nikeshala
- NIC : 200176100169
- DOB : 17 / 09 / 2001

INTERESTED FIELD

- System Administration
- DevOps
- TechOps
- Software
- Database Administration
- Cloud Computing

ACHIEVEMENTS

Vice chair of Sliit Mozilla Campus Club 2024.

Vice President of Research & Development of IntelliCon 22' AI Conference in SLIIT.

Secretary of the SLIIT Mozilla Club Campus. (2023)

Development Member of the Microsoft Club of SLIIT.

Committee Member of Data Science Information Management Function AIESEC in SLIIT (2022)

3 rd Runner-up of Mini Hackathon (SLIIT)

REFERENCES

- Mr. Heshan Dharmasena**
Lead Platform Engineer
Codification, New Castle England
+94 776387956
heshandharmasena@gmail.com
- Dr. Anuradha Jayakody**
Assistant Professor
Head Graduate Studies FoC of SLIIT
+94 714900228
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Software Development Trainee

CDAZZDEV | 2020 Aug – 2020 Dec

Developed and deployed web applications using Python, Django, and JavaScript, focusing on backend logic and API integrations.

Assisted in automating testing processes using Selenium and writing unit tests to ensure robust code quality & collaborated with senior developers to streamline product features.

HIGHER EDUCATION

SRI LANKA INSTITUTE OF INFORMATION TECHNOLOGY (SLIIT)

- BSc (Hons) in Information Technology Specializing in Information Technology | [2021-2025]
- AI/ML Engineer Certification - Stage 2

UNIVERSITY OF MORATUWA, SRI LANKA

- Certification course of Python Programming | [2021]

NORTH-WESTERN UNIVERSITY OF SRI LANKA

- Diploma in Computer System & Technology. | [2018]

PROJECTS

- Terraform-Kubernetes Deployment with GCP [\[Project Link\]](#)
- Java Code Complexity Calculator [\[Project Link\]](#)
- ChatGPT3 Escalation Prediction [\[Project Link\]](#)
- 3 Tier Architecture with CDK [\[Project Link\]](#)
- Kubernetes Cluster setup using Ansible [\[Project Link\]](#)
- Modal Trader System [\[Project Link\]](#)
- School Management System [\[Project Link\]](#)
- Job Portal Mobile Application [\[Project Link\]](#)
- KodeKloud GCP Self Assesment [\[Project Link\]](#)
- Docker Dev Demo App [\[Project Link\]](#)
- Voice Assistant Python [\[Project Link\]](#)

CERTIFICATIONS

- Amazon Elastic Container Service (Amazon ECS)
- Oracle Cloud Infrastructure Foundations 2021 Associate
- RedHat Automation Technical
- Computer Science & Mathematics Certiication
- AWS Cloud Technical Essential
- Containerization Application
- Diploma of Robotic process automation 19.10

RESEARCH PUBLICATIONS

- Enhancing Software Development with CCC: A Robust Tool for Code Complexity Analysis.
- Innovating Software Complexity Measurement: A New Dimension in OO-Based Metric.
- A Novel OO-Based Code Complexity Metric.
- Next-Generation Metric for Software Complexity Analysis.
- Transforming Software Complexity Analysis with the ECB Metric.
- Software Complexity Analysis with the Advanced CB Metric.
- A Fresh Perspective on Measuring Complexity in Object-Oriented Software.
- A Comprehensive Software Complexity Metric Based on Cyclomatic Complexity.
- Beyond Traditional Metrics: Advancing Software Complexity Analysis with the ACB Metric.
- A Comprehensive Metric for Evaluating Object-Oriented Software Complexity.