

NIRMAL CHANDRASIRI

PROFILE

I'm a passionate DevOps/Site Reliability Engineering enthusiast with hands-on experience in monitoring, automation, and cloud infrastructure. I've worked with tools like Datadog, Terraform, AWS, and Azure, focusing on observability, SNMP integration, and reducing incident response times. I'm experienced in log analysis, API testing, and building reliable, scalable systems that support high availability in production environments. Curious and committed to continuous learning, I enjoy creating efficient solutions that drive operational excellence.

CONTACT

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Nattandiya, Sri Lanka

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EDUCATION


2021 January - 2025 March


**BSc (Hons) Specializing in
Information Technology -
SLIIT | Sri Lanka Institute of
Information Technology**


2020 August


**Advanced Levels (2020) -
Dhammissara National
College - Nattandiya**


SOCIAL LINKS

 LinkedIn:
Nirmal Chandrasiri

 Twitter:
Nirmal Naveen20

 GitHub:
Nirmal Naveen20

 Medium:
Nirmal Chandrasiri

 DEV:
Nirmal Chandrasiri

WORK EXPERIENCE

Trainee - Site Reliability Engineer

2024 JULY - 2025 JULY

IFS R&D International PVT LTD , LK

- Automated deployments, pipeline triggers, and Prometheus exporter upgrades using Python to improve efficiency.
- Deployed Nagios NCPA agents at scale using Ansible, reducing manual configuration time.
- Set up Filebeat and Winlogbeat to enhance log collection, forwarding, and observability.
- Resolved critical monitoring issues, contributing to ~99% platform availability and compliance with SLAs/SLOs.
- Onboarded new customer environments into the monitoring platform, ensuring smooth integration and SLI visibility.
- Removed monitoring configs for IFS Apps 10 and IFS Cloud, ensuring seamless transitions without coverage gaps.
- Collaborated with the Observability Team to expand monitoring and improve system reliability.
- Supported incident response efforts and worked to improve post-incident analysis and monitoring accuracy.

DevOps Engineer - Intern

2024 JANUARY - 2024 JULY

Sysco LABS Technologies PVT LTD, LK

- Planned and deployed synthetic test monitors for the Global Technology Operations Command Center (GTOCC) to ensure optimal operational monitoring.
- Developed Datadog dashboards to monitor infrastructure and application performance.
- Implemented Network Performance Monitors to track and optimize key metrics.
- Automated deployment and management of monitoring infrastructure using Terraform.
- Developed Python scripts for automating infrastructure tasks, improving operational efficiency.
- Integrated SNMP for Nutanix infrastructure, including Nutanix Level MIB and IPMI Level MIB mapping for cluster-level monitoring. Presented internship progress and updates in various stages to stakeholders and teams.
- Evaluated and demonstrated Datadog Database Monitoring features to cross-functional teams.
- Participated in Datadog office hours, collaborating on advanced monitoring solutions and best practices.

SOFT SKILLS

- Problem Solving
- Leadership
- Team Player
- Creative Thinking
- Effective Communication
- Critical Thinking

CERTIFICATIONS

- AWS Certified Cloud Practitioner
- DevOps on AWS Specilization (Amazon Web Services)
- Microsoft Certified: Azure Administrator Associate
- Microsoft Certified: Azure Fundamentals
- Microsoft Certified: Azure AI Fundamentals
- DevOps, Cloud, and Agile Foundations
- Docker & Kubernetes: The Practical Guide [2023 Edition]
- GitHub Actions - The Complete Guide
- Linux Commands & Shell Scripting Essentials
- Site Reliability Engineering Observability
- Enterprise Developer
- Google IT Support Certificate
- EFK Stack: Enterprise-Grade Logging and Monitoring

VOLUNTEER

- Mozilla Campus Club of SLIIT - Development Team Member
- Microsoft Learn Student Ambassador - Beta Community Member

LANGUAGES

- English
- Sinhala
- German

TECHNICAL SKILLS

Programming Languages / Tools

- Python
- Java
- JavaScript
- HTML / CSS
- React.js
- Express.js
- ServiceNow
- Visual Studio

DevOps / Cloud / Databases

- Azure
- AWS
- GitHub
- GitLab
- Jenkins
- Terraform
- Datadog
- Kubernetes
- Helm
- Grafana
- Prometheus
- Elastic Stack (ELK)
- Linux
- Nagios
- MySQL
- GitHub Actions
- ArgoCD
- Ansible
- Docker
- Bash

PROJECTS

SNMP Integration for Nutanix Infrastructure - Sysco LABS

- Developed a custom SNMP integration for Nutanix infrastructure by creating MIB mapping YAML files to facilitate seamless metric collection with Datadog. Gathered critical performance metrics such as CPU usage, memory, disk capacity, and disk status for Nutanix servers. Designed and deployed a Datadog dashboard to monitor Nutanix Infrastructure visibility and operational efficiency. This integration helped reduce operational costs.

Enhancing Employability Through an Advanced Mock Interview Platform for Fresh IT Graduates (Research) - SLIIT

- AI mock interview platform utilizes cutting-edge tools and technologies to deliver an effective solution. We use programming languages like Python and JavaScript, alongside frameworks such as React and Node.js for a responsive interface. Machine learning algorithms enable skill clustering and tailored question generation, while natural language processing analyzes resumes. Speech recognition evaluates verbal communication, and Convolutional Neural Networks (CNNs) assess non-verbal cues.

[Project Overview](#) [IEEE - Publication](#)

Hospital Management System - SLIIT

- The system was created by an eight-member team for an ITP module at SLIIT. As the hospital admin, the writer's role is to manage the admin dashboard, which includes monitoring daily operations, managing user accounts, generating reports. Technologies used: Node.js, Express.js, React.js, and MongoDB.

[Project Overview](#)

Django Notes App - Personal Project

- The project focuses on automating the deployment process, ensuring seamless integration and delivery of the application. Technologies used : React.js, Django, AWS EC2, Jenkins, Docker

[Project Overview](#)

REFERENCES

Bryan Brown

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Sysco LABS

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