

SATHIRA SRI SATHSARA

Undergraduate, BSc. Software Engineering | Backend Developer

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CAREER OBJECTIVE

Results driven Software Engineer with experience designing, developing, and deploying scalable web applications, RESTful APIs, and enterprise software solutions. Proficient in Node.js, PHP, Python, MySQL, PostgreSQL, Docker, and Linux, with a strong focus on backend architecture, system integration, and cloud deployment. Passionate about building secure, high performance applications that solve real-world business challenges, with proven experience leading projects from concept to production while collaborating effectively in agile development environments.

PROFESSIONAL EXPERIENCE

Co - Founder, Backend Developer

Niolla Software Solutions, Pothuhera, Sri Lanka

2023/10 - Present

- Developed scalable backend systems and RESTful APIs with secure 2FA/OAuth authentication for enterprise ERP platforms.
- Built asynchronous processing, notifications, and document generation solutions using BullMQ, Redis, AWS S3, and PDF/Excel/CSV technologies.
- Designed CI/CD pipelines with GitHub/Gitea Actions, containerized applications using Docker, and managed Linux (Ubuntu), Nginx, and PM2 production environments.
- Led cross-functional Agile (Scrum) teams, collaborated with stakeholders, and delivered high-quality software on schedule.
- Enhanced product adoption through user-driven improvements while supporting infrastructure automation and digital marketing initiatives.

EDUCATION

BSc. Software Engineering

Cardiff Metropolitan University United Kingdom – ICBT Kandy Campus

2023 - Present

G.C.E Advance Level - Technology Stream

College of fast track learning – Baththaramulla

2021 - 2023

- Engineering Technology – C, Science and Technology – C, Information Technology – C, General English - C

OPEN-SOURCE PROJECTS

🔗 [SnapDB - Uptime Kuma for Databases](#)

- A Docker-supported web-based Database Backup Management Platform that allows administrators to register database servers, configure backup schedules, execute manual backups, monitor backup jobs, and manage backup storage.

Key Technologies: NodeJS, Express, Sequelize ORM, MYSQL, React, Docker

[Agri Sense AI - Crop Yield Prediction Model](#)

- Built an IoT device for real time soil data collection, integrating environmental sensors, microcontrollers, and wireless communication to provide input for a crop yield prediction model.

Key Technologies: Arduino, IoT, Embedded Systems, Soil Sensors, Sensor Integration, MQTT/HTTP, Machine Learning, python, nodeJS, java

[Call Of Duty 4 Server Installation Script](#)

- A Bash script to install Call Of Duty 4 Modern Warfare Linux server on Ubuntu

Key Technologies: Shell

SKILLS & OTHER

Skills:

- Programing - Java, Javascript, python, php
- Scripting - Bash
- Cloud - AWS, Azure, GCP, Oracle
- Database - MySQL, Redis, MongoDB
- Others - Linux (Ubuntu), Docker, Git

Awards & Certificates:

- 2nd Runners Up - Dialog App Challenge 2018
- Most impactful idea - Dialog App Challenge 2018

LANGUAGES

- Sinhala
- English