

SAJEEVAN SIVAPALAN

Over 1 year of experience in software development and management.

in Sajeevan Sivapalan | ☎ +94 (77) 813 1381 | ✉ sajeevansivapalan35@gmail.com | 🌐 Sajeevan-Sivapalan

SUMMARY

A competitive and collaborative individual with a passion for software engineering, seeking opportunities to enhance both technical and soft skills while pursuing a successful career in software development.

EDUCATION

SRI LANKA INSTITUTE OF INFORMATION TECHNOLOGY

BSc (HONS) IN INFORMATION TECHNOLOGY SPECIALIZING IN SOFTWARE ENGINEERING.
2021 - Present | Malabe

S.THOMAS' COLLEGE

G.C.E A/L – PHYSICAL SCIENCE
STREAM
G.C.E O/L
2012 - 2020 | Mount-Lavinia

SKILLS

Languages :

• Java • JavaScript

Databases :

• MongoDB • MySQL

Technologies/Frameworks :

• ReactJS • Springboot • NodeJS

• MQTT

Version Control :

• Git

Cloud :

• Microsoft Azure

Tools :

• Jira • Github • Bitbucket

REFERENCE

DR. JEEWANEE BAMUNUSINGHE
PHD(MONASH), BSc (UOP)
Assistant Professor from SLIIT
jeewanee.b@slit.lk

EXPERIENCE

SENZMATE IOT INTELLIGENCE | ASSOCIATE SOFTWARE DEVELOPER

Jan 2024 – July 2024 | Colombo, SL

- Developed and maintained the backend, overseeing the **MQTT broker** to collect device details. Updated databases (**MongoDB, MySQL**) and processed data in alignment with project requirements using **Spring Boot, MQTT**, and **database technologies**.
- Developed an authentication plugin for the **Mosquitto MQTT** broker using the **C** programming language and integrated it with **MongoDB**.
- Identified and debugged failed test cases, resolving software bugs and ensuring successful test case execution
- Set up and configured **Elasticsearch, Kibana, Kafka**, and **Logstash** on the **Microsoft Azure**, ensuring seamless integration and optimized data flow for real-time analytics and monitoring.

SENZMATE IOT INTELLIGENCE | SOFTWARE ENGINEERING INTERN

June 2023 – December 2023 | Colombo, SL

- Executed setup of **firewall, MQTT, Kafka**, and **application deployment** on **Microsoft Azure** VM. Performed **live debugging** to identify and resolve application issues.
- Developed a mock device using **MQTT** and **Spring Boot** to enhance system testing capabilities.
- Configured and managed both **single-node and multi-node Hadoop** clusters along with **Hive** on **Microsoft Azure** VM.
- Implemented and updated APIs and endpoints in a **Spring Boot** environment with **MongoDB** and **MQTT** integration, meeting specific requirements for efficient data storage, retrieval, and real-time communication.

PROJECTS

HUMAN-RESOURCE-MANAGEMENT-SYSTEM | RESEARCH

PROJECT YEAR 2 SEMESTER 2

MongoDB, Express, React, Node

The system will contain the modules of employee management, payroll management, training and development management, job vacancy management, transport management, leave and attendance management, and resource management as a project for Information Technology Project (ITP).

SOLAR FLARE - WEB APPLICATION FOR AN OPTICAL STORE |

GROUP PROJECT YEAR 3 SEMESTER 1

MongoDB, Express, React, Node

This web application offers an advanced virtual try-on experience, allowing users to browse glasses and see how different styles look on them using their device's camera for a personalized experience.

HUMAN-RESOURCE-MANAGEMENT-SYSTEM | GROUP PROJECT YEAR 2 SEMESTER 2

MongoDB, Express, React, Node

The system will include modules for managing employees, payroll, training and development, job vacancies, transport, leave and attendance, and resources.

REFERENCE

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ACADEMIC AND OTHER PROJECTS

EDUCATIONAL PLATFORM FOR ONLINE LEARNING | GROUP
PROJECT, YEAR 3 SEMESTER 2
MongoDB, Express, React, Node, Docker

UNIVERSITY TIMETABLE MANAGEMENT SYSTEM | GROUP
PROJECT, YEAR 3 SEMESTER 2
MongoDB, Express, Node

REACT FRONTEND APPLICATION USING NASA APIS | GROUP
PROJECT, YEAR 3 SEMESTER 2
React

MOBILE APPLICATION FOR FARMERS AND CUSTOMERS | GROUP
PROJECT, YEAR 3 SEMESTER 1
MongoDB, Node, Flutter

**WEB AND MOBILE APPLICATIONS FOR THE CONSTRUCTION
INDUSTRY** | GROUP PROJECT, YEAR 3 SEMESTER 1
MongoDB, Express, React, Node, Flutter

INVENTORY MANAGEMENT SYSTEM | INDIVIDUAL PROJECT
HTML, CSS, JS, PHP, MySQL

EXAM RESULT MANAGEMENT SYSTEM | INDIVIDUAL PROJECT
HTML, CSS, JS, PHP, MySQL

ONLINE EXAMINATION MANAGEMENT SYSTEM | GROUP
PROJECT, YEAR 2 SEMESTER 1
JSP, CSS, JS, Java, MySQL

SKIN CONSULTATION CENTER | INDIVIDUAL PROJECT
Java, MySQL

WALLET APP | GROUP PROJECT, YEAR 2 SEMESTER 2
Kotlin, Firebase