

# DASITH RATHNASINGHE

## Software Engineer

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dasithrathnasinghe

dasith-rathnasinghe

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MasterD98

## SUMMARY

Passionate software engineer with a strong foundation in coding, problem solving, and teamwork. Experienced in developing efficient and scalable solutions. Dedicated to continuous learning and staying current with industry trends. Excited to contribute my skills to innovative projects and deliver high-quality software.

## WORK EXPERIENCE

IFS Sep 2025 - Present

### Software Engineer

- Diagnosed and resolved software defects in the IFS BOLO accounting solution.
- Diagnosed and fixed software defects in .NET-based web services.
- Quickly onboarded to the domain and technologies including UniData, Go, and PL/SQL, contributing within the first months of the role.
- Designed and developed accounting application using Go, React, and PL/SQL.
- Collaborated closely with USA based team on development activities.
- Actively participated in Agile SDLC practices throughout development.

LSEG Technologies Jan 2024 - Mar 2025

### Engineering, Intern

- Designed and built RESTful APIs using Java Spring Boot for an internal scheduling platform and workflow orchestration for jobs, backed by PostgreSQL.
- Developed and deployed a service monitoring dashboard using Angular, providing visibility into service health and other metrics across environments.
- Implemented serverless functions using AWS Lambda to execute production workloads for Index applications.
- Integrated AWS EventBridge, Step Functions and SQS to build scalable, decoupled, event-driven workflows.
- Collaborated closely with global team including Sri Lanka, UK and Romania.
- Actively participated in Agile SDLC practices.

## EDUCATION

University of Moratuwa AUG 2021 - AUG 2025

### B.Sc. (Hons) in Information Technology

- GPA: 3.63 (Second Class Upper)
- Level 01: Semester 01 - 3.89 (Dean's List)
- Level 02: Semester 02 - 3.82 (Dean's List)

Richmond College 2015 - 2019

### G.C.E Advanced Level Examination

- Physical Science Stream
- AAB | Z-score: 1.7002

## PROJECTS

### E2Metrics

- Built to address the challenge of limited visibility into GitHub repository performance, E2Metrics provides a centralized platform for analyzing, visualizing, and forecasting key software delivery metrics.
- The system aggregates repository data from GitHub to help teams understand development efficiency, responsiveness across multiple repositories.
- Designed as a full stack, microservices based web application, the platform delivers interactive analytics through a secure, role based customizable dashboard accessible to different user tiers.
- Supports automated metric computation and predictive analysis, enabling users to make data driven decisions about software delivery performance and future trends.
- Technologies : React, JavaScript, Spring boot, Java, MySQL, Github API, Bulma, SASS, Mui,

### Multimodal Data Integration for Stock Investment Decision Making

- A research driven project aimed at improving stock return prediction for companies in the Colombo Stock Exchange (CSE) by integrating multiple heterogeneous data sources that influence investment decisions.
- Addressed the limitation of existing approaches by introducing temporal modeling of news impact, capturing how financial news relevance decays over time and affects stock price movements.
- Demonstrated the effectiveness of multimodal data fusion, combining market data, news sentiment, social media signals to produce more robust predictions than single source models.
- Showed that sentiment aware models with time decay aggregation significantly improved prediction performance across multiple companies.
- Validated that a neural network based fusion approach further enhanced prediction accuracy by learning the combined influence of different market signals, even without relying on financial statement data.
- Technologies : TensorFlow, Keras, Transformers, LSTM, Sklearn

### Employee Attendance Collecting System

- The project addressed accessibility limitations by eliminating dependency on remote desktop access, allowing users to securely access the system from any authorized location via VPN.
- A web based system created to replace a legacy desktop attendance application, enabling supervisors to record and manage attendance through a centralized, browser accessible platform.
- By modernizing the user interface while preserving existing workflows, the solution improved usability and adoption without disrupting daily operational processes.
- The system provided a scalable and maintainable foundation for attendance management, supporting high daily usage across multiple sites.
- Technologies : React, JavaScript, Node.js/Express.js, Bulma, MSSQL

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## SKILLS

- **Technical Skills:** Java, Spring Boot, React, JavaScript, Node.js / Express.js, Angular, AWS, Git, SQL, Linux
- **Interpersonal Skills:** Problem Solving, Teamwork, Leadership, Fast Learner, Critical Thinking, Creativity

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## REFEREES

### Dr. (Ms.) G. Upeksha Ganegoda

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