

SASHINI DAWPADI

SOFTWARE ENGINEER

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PROFILE

Innovative Software Engineer with a strong foundation in programming and problem-solving, proficient in multiple programming languages(Java, C, C#) and development tools. Experienced in full-stack development, agile methodologies, and software testing. Proven ability to design and implement scalable, efficient, and maintainable software solutions. Passionate about staying up-to-date with emerging technologies and collaborating with cross-functional teams to deliver cutting-edge products.

WORK EXPERIENCE

Software Engineer Intern, Scierter Technologies **Dec 2022 - June 2023**

- Assigned to an enterprise-level Warehouse Management project a highly scalable testable project, contributing to the design, development, and bug fixing.
- Collaborated effectively in a cross-functional team using Agile methodologies, enhancing project delivery and fostering knowledge sharing across diverse experience levels.
- Technologies:** Angular, .NET, Microsoft SQL Server, SSRS generation

EDUCATION

University of Moratuwa , Faculty of Information Technology **Jan 2020 - July 2024**

- BSc (Hons) in Information Technology

Siridhamma College - Galle **Jan 2005 - Aug 2018**

- GCE Advanced Level - Physical Science Stream (2018)
Results - 1A 2B's (A for Combined Mathematics)

PROJECTS

Improve Efficiency & Security of a Trading Platform using Blockchain, Machine Learning & Natural language Processing **Sep 2023 - July 2024**

Final Year Project | Team Leader

- Research and find how blockchain technology can assist in running a trading platform.
- Improve the platform's efficiency and security using ML, provide insights using NLP and evaluating the platform's performance.
- Role: Backend development, blockchain development, Optimising the gas cost used to store the transaction data using Machine Learning
- Technologies:** Polygon, Solidity, Python, OpenAI, Node JS

Automated API Testing for Book Management System **Oct 2023 - Dec 2023**

IT Quality Assurance module project

- Created automated tests to ensure the reliability and performance of the system's APIs, focusing on validating RESTful web services, verifying data integrity, and enhancing overall application quality.
- This testing framework provided consistent and efficient test execution, contributing to the robustness and reliability of the book management system.
- Technologies:** Rest Assured with Java

Travel Destination Booking App

Aug 2022 - Nov 2022

Enterprise Application Development module project

- Developed a full-stack web application for booking travel destinations.
- Integrated RESTful APIs to manage travel listings, booking operations, and customer interactions.
- Focused on scalability, performance optimization, and user experience.
- **Technologies:** React, SpringBoot

WebPortal for the Career Guidance Unit of the University of Moratuwa

Sep 2021 - July 2022

Second Year Software Project | Team Leader

- Spearheaded the development of a comprehensive web application for the Career Guidance Unit, integrating real-time job postings and resources that increased student engagement
- **Technologies:** Angular, NodeJS, MySQL, AWS, JWT authentication

COVID-19 Tracking System

Dec 2020 - July 2021

Web Technologies module project

- Developed a tracking system to monitor pre-diagnosis movements of COVID-19 patients, enhancing early detection and containment efforts.
- **Technologies:** HTML, CSS, JavaScript, PHP

Roof Cooling System with Motor Protection

Jan 2020 - Apr 2021

First Year Hardware Project

- A system that has automated the cooling of the room by watering onto the roof and protecting the water motor from overheating by automatically switching off it.
- **Technologies:** ATmega 32, C language

TECHNOLOGIES

- **Programming Languages:** Java, C#, C
- **Web Development:** HTML5, CSS3, Angular, .NET, Node JS, TypeScript, Express, Spring Boot, React
- **Databases:** MSSQL, MySQL, MongoDB, Oracle
- **Software Testing Tools:** Rest Assured with Java, Postman
- **Project Management Tools:** Trello, Miro, Jira
- **IDEs:** VS Code, Visual Studio, IntelliJ Idea
- **Others:** Git, AWS, Figma

ACHIEVEMENTS & CERTIFICATIONS

- Participation at HackMoral 4.0 | INTECS, UoM (2022)
- Participation in Hacktitude 2022 | 99X (2021)
- Participation MoraXtreme 6.0 | IEEE, UoM(2021)
- Supervised Machine Learning: Regression and Classification | DeepLearning.AI
- Java(Basic) | HackerRank
- Problem Solving(Basic) | HackrRank
- SQL(Intermediate) | HackerRank
- React Basics | Coursera
- Responsive Web Design | freeCodeCamp
- Foundational C# with Microsoft (pursuing)
- Foundations of UX Design | Google
- Introduction to Object-Oriented Programming with Java | Coursera
- Getting Started with Azure DevOps Borads | Coursera

SOFT SKILLS

- Leadership skills
- Team working
- Problem-solving
- Quick learner
- Time management
- Communication skills

NON-RELATED REFEREES

Dr. Thilini Piyatilake ,
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