SAHAN THATHSARA

Software Engineer

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PROFILE

IT graduate from the University of Moratuwa with hands on experience in full-stack development using .NET, Angular, and SQL. Passionate about building scalable software solutions and exploring emerging technologies like blockchain and machine learning. Known for strong problem solving abilities, adaptability, and teamwork. Actively seeking a Software Engineer role in a forward thinking tech organization.

WORK EXPERIENCE

Software Engineer Intern
2023 Feb –2023 Aug

Pristine Solutions (Pvt.) Ltd
- Developed backend and frontend features for multiple projects including Slim Pharma and Pussallawa using .NET, Angular, and MySQL
- Created and integrated SQL stored procedures to streamline data operations
- Participated in Agile sprints, collaborated with cross-functional teams, and handled bug fixes for live systems
- Worked on Cantect (printing and packaging system), CIC, and SFA integration systems
- Used SVN for version control and maintained coding best practices

Associate Software Engineer
2025 Jan - Present

Metadew Technologies (Pvt.) Ltd
- Developed hotel and restaurant management systems and client websites using .NET, C#, React, and SQL.
- Implemented JWT-based authentication and optimized system performance.
- Customized solutions to meet specific client requirements.
- Provided technical support, documentation, and user training.
- Communicated with clients through calls, visits, and product demonstrations.

TECHNICAL SKILLS

- **Programming Languages**
  Java, C, C++, C#
- **Web Development**
  Angular, ReactJS, HTML, CSS, Bootstrap, JavaScript
- **Backend**
  .NET, NodeJS, ExpressJS

- **Version Controlling**
  GitHub, GitLab
- **Cloud Computing**
  AWS, Firebase
- **Database**
  SQL, MongoDB

- **Project Management**
  Jira
- **IDE**
  Visual Studio, VSCode, IntelliJ
- **Other**
  Postman, SVN

EDUCATION

Faculty of Information Technology University of Moratuwa

BSc(Hons) in Information Technology

Graduation Date : December 18, 2024

Ananda College Chilaw

GCE Advanced Level - Biological Stream (2018)
Results: 3B's   Z-Score: 1.4137

GCE Ordinary Level (2013)
Results: 8A's, 1B

PROJECTS

Slim Pharma Project - Medicine Sales and Distribution System
- Assisted in the development of a web-based solution for managing pharmaceutical sales and distribution.
- **Role** - Full Stack Developer
- **Technologies** - .NET, Angular, MySQL

Cantect, CIC Projects
- Contributed to bug fixing and backend development for using .NET (C#).
- Worked on enhancing existing features and resolving issues to improve system stability and performance.

Pussallawa Project - Meat Sales and Distribution System

- Developed backend modules for a meat sales and distribution system using .NET (C#).
- Designed and managed SQL databases, including writing queries and optimizing data flow.
- Built RESTful APIs to handle inventory, orders, and user management functionality

Baby Care System With Mobile App (Completed)
1st Year Hardware Project (Group)

- Developed a fully automated cradle system to look after a baby, stop the baby's cry, and sense the environment temperature and humidity of the baby, ensuring the mother to check the baby's condition from any place using the mobile app
- **Technologies**: Atmega32A, Atmel Studio

Smart Office, School Transport & Passenger Management System (Completed)
2nd Year Software Project Project (Group)

- Developed a web and mobile system to manage staff registration, vehicle rental, and daily transportation
- **Role** - Full-stack development of Staff member registration and develop the Payment module
- **Technologies** - React, NodeJS, MongoDB, ExpressJS(MERN Stack), CSS, Bootstrap

RESEARCHES

Decentralized Asset Tokenization - Bridging Traditional Investments with Blockchain Innovations
Final Year Research Project (Group)

- Developed a **blockchain-based** asset tokenization platform that enhances the transparency, security, and efficiency of real estate transactions.
- By enabling the division of real estate ownership among multiple individuals and integrating advanced machine learning techniques, the platform seeks to democratize real estate investment and provide valuable insights for market participants.
- **Technologies** - Polygon, ML, Python, Solidity
- **Responsibilities** - Blockchain Architecture and Security optimization

OTHER EXPERIENCES

Competitions	
	Hacktitude 2022 - Participant - Hackathon challenge organized by 99x
	Hack Moral 4.0 - Participant - Hackathon challenge organized by the University of Moratuwa
	CODERUSH (2020) - Participant - INTECS, Faculty of Information Technology, University of Moratuwa
Membership	Mora Esports Community - University of Moratuwa Member of Mora Hiking club Member of Mora Rotract Club

CERTIFICATIONS

- BCI Certificate in English - 2018
  BCI Campus, Sri Lanka.

LANGUAGES

- Sinhala (Native)
- English

NON-RELATED REFEREES

▶ Dr.Saminda Premaratne
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▶ Dr.Isuru Manawadu
Ph.D. (University of Malaya), B.Sc. (Hons) in Accounting (Sp) USJP, FCA Senior Lecturer, Chartered Accountant, Department of interdisciplinary Studies,
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