YASAS EKANAYAKE SOFTWARE ENGINEER

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Portfolio(www.ekanayaka-ym.netlify.app/)

SUMMARY

Passionate about self-learning and IT, I seek opportunities to work with senior software engineers, gain industry experience, learn from professionals, and refine my skills through continuous improvement.

PROFESSIONAL EXPERIENCE

Software Engineer Intern   **WSO2, Colombo**   **Jan 2024 - Jul 2024**
- Worked with WSO2 MI team & R & D Team
- Intelligent Mediator - WSO2 Intern Project
- WSO2 MI VSCode Extension Developer

EDUCATION

Bsc Information Technology(Hons)   **University of Moratuwa**   **2021 - Present**
- CGPA : 3.85

GCE A/L Physical Stream   **Richmond College Galle**   **2019**
- A A B

PROJECTS

Bus-Ease Intelligent Route & Seat Reservation System   **2025**
Developed a web-based platform to streamline highway bus route searches and real-time seat reservations. The system provides multi-leg trip planning, live seat availability, secure bookings, and an admin panel for operators.
- **Contribution**: Full-stack development, including intelligent route algorithm, real-time seat updates, secure payment integration, and admin dashboard.
- **Technologies: React.js, Node.js, Express.js, MongoDB, Redux, Stripe, Vercel, GitHub**
- Link(*www.bus-ease-frontend.vercel.app*)

QA Automation Testing – E-commerce Website (magento.softwaretestingboard.com)   **2025**
Conducted automated functional and API testing on a Magento-based e-commerce platform using industry-standard tools. The project ensured application quality through BDD and automated test coverage.
- **Contribution**: Designed and implemented test scenarios using Cucumber with Serenity BDD, Selenium for UI testing, and Rest Assured for API validation.
- **Technologies: Cucumber, Serenity, Selenium WebDriver, Rest Assured, Java, GitHub**

Detection System for Online Safety Against Cyber Threats and Social Engineering (FYP) Attacks   **2024-2025**
Developed an intelligent detection system to identify and mitigate manipulative behavior and fraudulent activity in real-time conversations. The project targeted social engineering attacks conducted through chat and audio messages by both humans and web bots, leveraging cutting-edge AI to safeguard users.
- **Contribution**: Designed and implemented a multi-layered detection framework combining Natural Language Processing (NLP), rule-based systems
- **Technologies: Python, TensorFlow, Keras, NLP libraries, ML Algorithms**

Intelligent Mediator -WSO2 Intern Project   **2024**
This project involved the development of Intelligent Document Process Mediator for WSO2 MI. A mediator to read documents like images and pdf s , extract value according to schema as a JSON.
- **Contribution**: Implementation of the whole mediator.
- **Technologies: JAVA, Maven, WSO2 MI, ChatGPT API**

WSO2 MI VSCode Extension -WSO2 Intern Project   **2024**

WSO2 Micro Integrator Visual Studio Code extension (MI for VSCode) is a comprehensive integration solution that simplifies your digital transformation journey. It streamlines connectivity among applications, services, data, and the cloud using a user-friendly low-code graphical designing experience.

- **Contribution**: Implementation of proxy, message store, local entry artifacts and its operations.
- **Technologies: React JS, Java Script**

ERP Implementation for Capital RMC Pvt. Ltd.   **2024**

Led the implementation of an ERP system for Capital RMC Pvt. Ltd., streamlining production and procurement processes while integrating financial and HR modules to enhance overall operational efficiency.

- **Contribution**: Contribute to pre market research and requirement analysis ,designing and backend developments..
- **Technologies: Odoo, Python , SQL**

PhotoBoothMe App -Level 2 Software Project   **2022**

This system involves the development of a mobile app and web admin panel for event photography and donation services (All the photoshoot profits went to charity and users can give or receive funds) provided by PhotoBoothMe.lk.

- **Contribution**: Implementation of the notification, donation, feedback and leaderboard, and payment gateway modules .
- **Technologies: Flutter , Nodejs , MongoDB, GitHub**

SKILLS

Software: C, Java, Python, HTML, CSS, JavaScript, ReactJS, Docker, Jenkins, Flutter, NodeJS, Spring Boot, ML Algorithms and Applications, Data Analysis, AI API Integrations, Payment Gateway API, Git GitHub, SQL, MongoDB, QA

ADDITIONAL INFORMATION

- **Languages:** English, Sinhala, Tamil
- **Awards/Activities:** Level 3 Batch Representative of Faculty of IT 2023, Member of Sothern Youth Council 2020, Top 50 RealHack 4.0 2023 organized by **HackerRank**

REFERENCES

- **Ms. Shashika Kumarasinghe:** Lecturer , Department of IT, Faculty of Information Technology, University Of Moratuwa, Sri Lanka
  +94 71 1005953 | sasijayani@gmail.com

- **Mr. Rosen Silva:** Technical Lead , WSO2 Lanka PLC, No. 105, Bauddhaloka Mawatha, Colombo 04, Sri Lanka
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