

Yasas Sri Udara Medagedara

Undergraduate Software Engineer

Email: srimedagedara234@gmail.com

[GitHub](#) | [LinkedIn](#) | [Portfolio](#) | +94 70 375 3394

ABOUT ME

Undergraduate Software Engineering student with hands-on experience in building, maintaining, and improving scalable and secure software projects. Possesses foundational knowledge of Java and JavaScript, with experience in debugging, testing, and writing clean, efficient code. A motivated team player eager to learn modern technologies and contribute to real-world development projects.

TECHNICAL SKILLS

- ❖ **Programming Languages:** Java, JavaScript, TypeScript
- ❖ **Frameworks and Libraries:** Spring Boot, Spring Security, Angular, React, Keycloak
- ❖ **Databases:** MySQL
- ❖ **Version Control:** Git, Github, Gitlab
- ❖ **Tools:** Postman, Dbeaver, Clickup, Docker
- ❖ **Soft Skills:** Problem Solving, Teamwork, Communication

PROJECTS

Nestfy- (Fullstack eCommercial App)

- ❖ Built a full-stack eCommerce platform for connecting users with household service providers using Next.js App Router, combining server and client components with Keycloak OIDC authentication and dynamic routing
- ❖ Developed booking system with real-time email notifications (JavaMail), user ratings/reviews, service provider management portal, and responsive UI with Tailwind CSS, AOS animations, and SweetAlert2
- ❖ Architected Spring Boot RESTful API with MySQL database (Docker), implementing secure authentication, custom error handling, and loading states for optimal user experience
- ❖ Every API is documented using Swagger/OpenAPI.
- ❖ **Technologies** - Next.js, React, Tailwind CSS, Axios, Java, Spring Boot, Keycloak, MySQL, Docker, JavaMail, Swagger/OpenAPI
- ❖ **GitHub** - [Front-end](#) | [Back-end](#)

Hotel management system - (Fullstack Booking App)

- ❖ Built a complete hotel management backend system using Spring Boot with a layered RESTful architecture, secured with Keycloak OIDC authentication, and fully containerized with Docker. Designed and implemented functionality for room management (availability, status control), guest

records, booking lifecycle, payment handling (bank transfer), and staff role/permission management using database-driven JSON role definitions.

- ❖ Implement automated email confirmations and booking reminders using Spring Boot Mail Starter with Thymeleaf HTML templates and scheduled tasks. Exposed a public room-availability search endpoint without authentication and documented the entire API using Swagger/OpenAPI.
- ❖ Engineered a robust MySQL database schema with Flyway migrations, ensuring version-controlled deployments. Delivered a clean and maintainable architecture with controllers, services, repositories, and entity listeners for auditing.
- ❖ **Technologies** - Java, Spring Boot, Keycloak, MySQL, Flyway, Docker, Thymeleaf, Spring Mail, Swagger/OpenAPI
- ❖ **GitHub** - [FrontEnd](#) | [BackEnd](#)

EDUCATION

Higher National Diploma in Computer Science– Esoft metro Campus University

- ❖ **Major:** Software Engineering
- ❖ Developed a strong foundation in analytical thinking, problem-solving, and critical thinking through my university experience.

LANGUAGES

- ❖ **English:** Fluent
- ❖ **Sinhala:** Native