Waruna Udara Sampath

FULLSTACK SOFTWARE DEVELOPER | JAVA
SPRINGBOOT | REACT.JS

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My portfolio website
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Full-stack software engineer proficient in Java, Spring Boot, React.js, and Next.js, with expertise in building scalable microservices using Docker and Kafka. Skilled in database management with PostgreSQL and MySQL, and committed to collaborative development and continuous learning, seeking to contribute to innovative software projects.

Projects

- **Patient Management System – Backend**

  Designed and developed a microservices-based hospital management system using Java, Spring Boot, Docker, Kafka, and gRPC. Architected independent services for patient management, billing, and analytics, implementing secure RESTful APIs and event-driven communication with Kafka. Containerized services with Docker to ensure consistent deployment, aligning with DevOps practices.

- **Hardware Inventory Management System**
  Developed a full-stack application using Angular, Spring Boot, and MySQL. Implemented CRUD operations and search functionalities. (Monolithic architecture)

- **POS System**
  Created a desktop application with JavaFX, MySQL, and Jasper Report. Features include user authentication, real-time email notifications, and comprehensive reporting tools.

- **Military Defence System Simulation**
  Simulated defense units management using Java, Java Swing, and the Observer Design Pattern.

- **Personal Portfolio**
  Built a website using React.js and Next.js to showcase projects and skills.

  Technologies
  - Java, Spring boot
  - JavaScript, TypeScript
  - PostgreSQL, MySQL
  - Git, GitHub, GitLab
  - Docker, AWS, Postman
  - Swagger, Junit, Vite
  - Python, C
  - Hibernate, SonarLint
  - Architectures, EsLint

- React.js, Next.js, Angular
- Bootstrap, Tailwind CSS
- Design Patterns
- VS Code, IntelliJ IDEA
- Agile, Scrum, Jira
- HTML, CSS, REST API
- Vercel, Figma
- Kafka
- JPA, OOP concepts

Education

University of Sri Jayewardenepura   Jul 2024 - Jul 2028

Bachelors of Information and Communication Technology (Hons) - GPA 3.78

Certificates

- **AWS Cloud Practitioner Essentials**   Apr 2025

  Amazon Web Service

- [**Docker Foundations Professional Certificate**](#)   June 2025

  Docker

- **Foundations of Cybersecurity**   Nov 2023

  Google