Dulanga
WIMALAGUNASEKARA
FULL-STACK SOFTWARE ENGINEER

CONTACT ME

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PROGRAMMING LANGUAGES

- Java
- Java EE
- PHP
- C / C++
- ECMA Script
- TypeScript
- SQL

TECH STACK

- Spring Framework (Core,Web, DataAccess,AOP,SpEL), Spring boot, Spring Data JPA, Spring Security
- Spring Webflux
- Strapi.js
- Directus
- Docker
- Hibernate (Native/JPA)
- RabbitMQ

PROFILE

Dynamic and self-motivated individual fueled by a perpetual quest for personal growth and skill enhancement. Demonstrates a passion for academia and a proven track record of effective teamwork and adept problem-solving. Excels in both leadership and supportive roles within collaborative environments, dedicated to driving collective success.

EXPERIENCE

Software Engineer II — August 2023 - Present
Arimac Lanka Pvt Ltd | Colombo 3

Software Engineer I — August 2022 - August 2023
Arimac Lanka Pvt Ltd | Colombo 3

As a software engineer at Arimac, I have been intricately engaged in following projects necessitating on-site collaboration with clients in Algeria.

- **My Ooredoo - Self Care App (Algeria)**
  - **Description:** Developing a comprehensive self-care mobile application tailored for a leading multinational telecommunications corporation based in Doha, Qatar, catering specifically to their customer base in Algeria. This innovative solution serves as a super app, seamlessly integrating multiple third-party services and leveraging cutting-edge technologies to provide customers with an extensive software solution experience.
  - **Technologies Used:** Spring WebFlux, Spring Data JPA, Spring Security, Hibernate, MySQL, RabbitMQ, keycloak, JAXB, Strapi.js, Flutter
  - **Role Played:** Contributed to Back-End development tasks, leveraging microservices with Spring WebFlux. Engineered a headless CMS using strapi.js, intricately exposing APIs, and assuming comprehensive ownership of the service. Facilitated requirement gathering through proactive client engagement and cross-functional collaboration. Played a pivotal role in Docker implementation and service deployment, ensuring seamless integration and efficient deployment strategies.

- **My Ooredoo - Self Care Web Portal (Algeria)**
  - **Description:** This portal complements the self-care mobile application, offering users a seamless experience across multiple platforms. Integrating sophisticated functionalities and user-friendly interfaces, the web portal enhances accessibility and extends the comprehensive software solution to desktop users.
  - **Technologies Used:** Spring WebFlux, Hibernate, MySQL, RabbitMQ, keycloak, JAXB, Strapi.js, Nuxt.js
  - **Role Played:** Represented as the technical spokesperson, providing expertise and guidance in aligning the web portal's functionality with the overarching project objectives. Actively engaged in Back-End development tasks utilizing microservices with Spring WebFlux, employing the same robust backend system used for the mobile application.

- JAXB / JAXP
- XSLT
- Angular 13
- ReactJS
- HTML5 & CSS3
- Java EE (Servlet, JSONB,JSONP, Java Bean Validation)
- MySQL, MongoDB
- GIT, GitHub
- jQuery, Bootstrap, BrowserSync
- Tomcat
- Regex
- Postman
- GCP
- ParcelJS, WebPack

OPERATING SYSTEMS

- Mac OS
- Linux
- Windows

LANGUAGES

- Sinhala (Native)
- English (Professional working proficiency)

FOLLOWED COURSES

- **Comprehensive Master Java Developper**
  IJSE Institute of Software Engineering
  April 2021 - November 2021

- **Direct Entry Programme**
  November 2021 - June 2022
  IJSE Institute of Software Engineering

- **Client On-Site Visitations**

  Ooredoo, Ouled Fayet, Algeria - 1st of March 2024

  - Addressed client concerns and provided technical support as needed.
  - Collaborated with client team on project requirements and specifications.
  - Presented project updates and milestones to stakeholders.

Trainee Software Engineer   December 2021 - July 2022
IJSE Institute of Software Engineering | Panadura

As a Trainee SE at IJSE, I have proactively involved in following projects.

- **Distributing System Management**
  - **Description:** A comprehensive software solution designed to streamline supermarket operations and enhance efficiency in managing customer interactions, item details, and daily tasks. Developed to meet the specific needs of supermarkets, DSM offers a range of features aimed at optimizing workflow processes and improving overall productivity.
  - **Technologies Used:** Spring Boot, Spring Data JPA, Spring Security, Hibernate, MySQL, Angular
  - **Role Played:** Participated in requirements clarification sessions, refining both functional and non-functional requirements. Translated identified requirements into technical specifications and code, contributing significantly to implementation tasks.

- **Learning Management System**
  - **Description:** HE-LMS is a specialized platform designed for higher education institutions, offering efficient management of students, payments, and learning materials. Through tailored functionalities, it streamlines administrative processes and enriches the overall learning experience.
  - **Technologies Used:** Spring Boot, Spring Data JPA, Spring Security, Hibernate, MySQL, React, HTML5, CSS3, Axios
  - **Role Played:** Participated in requirements gathering, proactively engaed in both front-end and back-end development tasks.

PERSONAL PROJECTS

- **Simple ORM Framework**
  - **Description:** A Simple Framework to create Tables on the Databases using annotations and Java Reflection API.
  - **Technologies Used:** Java 8(Annotation, Reflection), MySQL
  - **Repository Link:** https://github.com/Dulanga-Wimalagunasekara/Simple-ORM-Framework.git

- **Google Clone**
  - **Description:** A Clone of the google chrome which is implemented a Custom Search Engine
  - **Technologies Used:** HTML5, CSS3, BootStrap, Google Programmable Search Engine
  - **Repository Link:** https://github.com/Dulanga-Wimalagunasekara/Google-Clone.git

REFERENCE

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- **Google Task Clone Back-End**
  - **Description:** A Back - End Clone developed by referring the API documentation of the Google Task Clone
  - **Technologies Used:** JavaEE Servlet, JsonB, JSONB MySQL, Java Reflection API, Redux, tomcat, GCP
  - **Repository Link:** https://github.com/Dulanga-Wimalagunasekara/google-task-clone-back-end.git

- **MySQL Client Shell Application**
  - **Description:** An application working as a MySQL Client to run any kind of MySQL command
  - **Technologies Used:** Java SE 8, JavaFX(Jfoenix), Java Processes, Regex
  - **Repository Link:** https://github.com/Dulanga-Wimalagunasekara/MySQL-Client-Shell-Application.git

- **Students' Attendance Marking System**
  - **Description:** A desktop application designed for OASIS Higher Educational Centre Matara, to mark the attendance of their students using QR codes and notify their parents with an SMS alert.
  - **Technologies Used:** Java SE 8, JavaFX(Jfoenix), Java Processes, Regex
  - **Repository Link:** https://github.com/Dulanga-Wimalagunasekara/Students-Attendance-Marking-System.git

EDUCATION

Faculty of Computing - Sri Lanka Institute of Information Technology (SLIIT)
BSc (Hons) in Information Technology
Specialising in Software Engineering (Reading)

Rahula College Matara
G.C.E Advanced Level - 2 'B' passes & 1 'C' pass
in Physical Sciences

ADDITIONAL ACTIVITIES

- **Sectional Head Prefect of President College Matara.**
- **Main English Announcer of the Media Unit of President College Matara.**
- **Technician of the Media Unit of President College Matara**
- **Member of the football Team of President College Matara**
- **Member of the Science Society of Rahula College Matara**

- **I hereby declare that the above mentioned information are true and correct to the best of my knowledge and belief.**