LAKSHAN CHAMODITHA PERERA

About Me

I am a passionate and driven software engineering student with a keen interest in exploring the depths of technology and innovation. As a proactive learner and team player, I am committed to contributing to the advancement of technology while striving for excellence in every endeavor.

Work Experience

Trainee Associate Software Engineer
Ceyentra Technologies (Pvt) Ltd

Feb 2024 - Present

Assisted coding, tested software, and contributed to product development in a collaborative environment, adhering to confidentiality protocols. Gain practical skills and insights into software engineering.

Demonstrator
Institute of Software Engineering (IJSE)

Jan 2023 - Dec 2023

Provide teaching and demonstration services to students enrolled in GDSE and CMJD programms at IJSE. Also I Conduct the viva evaluations & Exams invigilating.

Skills

Technical Skills

Languages
- Java, JavaScript, TypeScript

Mobile App Development
- Flutter, React Native

Operating Systems
- Linux, Windows, Mac

Database
- MongoDB, MySQL

Cloud Platform
- Google Cloud Platform (GCP)

Version Control
- Git, GitHub, GitLab

Frameworks & Libraries
- Spring Boot, React.js, jQuery, Hibernate

Web Development
- HTML, CSS, React, Node.js, Express.js, Spring Boot, JakartaEE

Soft Skills

- Team Collaboration: Proven ability to work collaboratively and contribute positively to team dynamics.
- Problem Solving: Strong analytical and problem-solving skills, with a keen attention to detail.
- Time Management: Efficiently manage time and prioritize tasks to meet deadlines.
- Creativity: Innovative thinking to develop unique solutions and approaches.

References

Mr. Prasad Waduge
Institute of Software Engineering (IJSE) / CEO
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Mrs. Tharinda Raveena
Institute of Software Engineering (IJSE) Executive - Academic Administration
Phone: +94 77 939 2430
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Contact

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- **GitHub** - Lakshan Chamoditha Perera
- **Medium** - Lakshan Chamoditha Perera
- 169/4, River Road, Pamunugama, Alubomulla, Panadura

Education

2022 - Present
Graduate Diploma in Software Engineering
Institute Of Software Engineering (IJSE)

2023 - 2024
Diploma in Software Engineering
Developer Stack Academy

2017 - 2020
G.C.E. Advanced Level (Physical Stream)
Royal College Panadura

2011 - 2016
G.C.E. Ordinary Level
Royal College Panadura

Language

English

Sinhala

Projects

Unicloud360(Ongoing Product)

UniCloud360 is a comprehensive cloud-based student management system that encompasses the entire student lifecycle, from initial inquiry to graduation. This robust system caters to the diverse needs of both staff and students, offering a specialized workflow tailored to private higher education institutions. Its architecture adheres to a modular framework, allowing customization and scalability to align with clients' specific technology requirements and information management strategies for seamless digital transformation.

Technologies : **Spring Framework (Boot, Data, Security) , JWT, JavaScript, MySQL, Java 8, AWS, Docker and etc.**

Website : *https://unicloud360.com/*

Travel Package Management System

The Next Travel Pvt Ltd system is a comprehensive travel planning application developed using Spring Boot 3, Spring Cloud, and microservices architecture. It provides an intuitive platform for users to plan their travel experiences, managing various aspects like travel packages, vehicles, hotels, user authentication, and communication.

Technologies : **Spring Framework (Boot, Data, Security) , Microservices, JWT, HTML, CSS, JavaScript, MySQL, MongoDB, jQuery**

GitHub Repository : *Next Travel Project - Backend*
Next Travel Project - Frontend

Eco Tracker Pro - Wasteage Management System

Ecotrack Pro is a cutting-edge waste management platform developed to streamline waste disposal services while promoting environmental sustainability. Leveraging the MERN (MongoDB, Express.js, React, Node.js) stack, Ecotrack Pro offers users a seamless digital ecosystem to schedule waste disposal services, manage subscriptions, track environmental impact, and adopt eco-friendly practices.

Technologies : **React.js, Vite, Next UI, TypeScript, HTML, CSS, Express.js, Node.js, TypeScript, JSON Web Tokens (JWT), MongoDB, Google Cloud Platform (GCP), Express Validator**

GitHub Repository : *Eco Tracker Pro - Backend*
Eco Tracker Pro - Frontend

Gemini Clone

This project is a clone of the Gemini chat interface built using React. It features a user-friendly interface with a main chat window and a sidebar for navigation. Users can interact with the chat by selecting from predefined prompts or entering their own. The sidebar displays recent chat prompts for easy access.

Technologies : **React**

GitHub Repository : *https://github.com/Lakshan-Chamoditha-Perera/Gemini-Clone.git*

Flutter Language translator

I crafted a language translation app using Flutter, seamlessly integrating Google Translate API for versatile multilingual capabilities. Users select languages effortlessly, input text, and instantly view translations. Applying Material Design principles, I ensured an intuitive and visually appealing interface. Managing design, development, and testing, I prioritized user experience and reliability. The app's success garnered positive user feedback and contributed insights to the Flutter community.

Technologies :   **Flutter Framework, Dart Programming Language, Google Translate API, Material Design**

GitHub Repository :   *https://github.com/Lakshan-Chamoditha-Perera/Language-Translator---Flutter.git*

Caffaine Coffee Shop

Caffeine Coffee Shop is a modern coffee shop project comprising a suite of microservices designed to streamline operations and enhance customer experiences. Leveraging Java 17, Spring Boot, Spring Cloud, MySQL, MongoDB, API Gateway, Eureka Service Registry, and Config Server, this project redefines the coffee shop experience by integrating advanced technologies into every aspect of its operations.

Key Features:
- Comprehensive Management: Offers comprehensive management of coffee, customers, baristas, orders, ingredients, and recipes across multiple microservices.
- Scalability and Flexibility: Designed with a microservices architecture to promote scalability, flexibility, and maintainability.

- Efficient Communication: Ensures efficient communication between microservices through the API Gateway, enhancing system reliability and performance.
- Service Registration and Discovery: Utilizes the Eureka Service Registry for seamless service registration and discovery, facilitating dynamic scalability and fault tolerance.
- Configuration Management: Implements the Config Server to manage configuration properties for microservices, ensuring centralized and efficient configuration management.

Technologies :   **Java 17, Spring Boot, Spring Cloud, MySQL (Relational Database), MongoDB (NoSQL Database), API Gateway, Eureka Service Registry**

GitHub Repository :   *https://github.com/Lakshan-Chamoditha-Perera/Language-Translator---Flutter.git*

EShopper Web Shop

EShopper is an MVC-based online shopping platform facilitating customer, item, and order management. It offers features like customer/item CRUD operations, order placement, and payment integration. Technologies include HTML/CSS, JavaScript/jQuery, Java Servlets, MySQL, and Bootstrap. Users can install, deploy, and utilize the application seamlessly. Contributions to enhance functionality and address issues are encouraged.

Technologies :   **Java, Java Servlets, Hibernate, MySQL Database, Google Gson, Eclipse Yasson, Maven, JUnit Jupiter, ANTLR, Byte Buddy, ClassMate, FastInfoset**

GitHub Repository :   *https://github.com/Lakshan-Chamoditha-Perera/EShopper-Web-Shop-API.git*
                        https://github.com/Lakshan-Chamoditha-Perera/EShopper-Web-Shop.git

Chat Application

The Chat Application is a simple and lightweight desktop-based chat system implemented in Java. It enables users to communicate with each other by sending text messages and images in real-time. The application utilizes multi-threading for concurrent communication and follows software engineering methodologies for robust and maintainable code.

Key Features:
- Connects to a server to establish a chat session.
- Send and receive images.
- Supports the selection of image files from the local file system.
- Provides a set of emojis for easy message input.
- Plays a notification sound when a new message is received.

Technologies : **JavaFX, Socket Programming, Java Collections Framework, Multi-Threading, File Input/Output (I/O), Java IO, JFoenix, Java Zoom MP3 Library**

GitHub Repository : *https://github.com/Lakshan-Chamoditha-Perera/Chat-Application.git*

D24 Hostel Management System

The D24 Hostel Management System is a comprehensive software solution tailored to automate student registration and fee payment processes within the D24 Hostel. This system effectively manages hostel accommodations and payments, enhancing operational efficiency for both students and hostel staff.

Technologies : **Front-end: XML, FXML, CSS, JavaFX, Java, MySQL, Hibernate**

GitHub Repository : *https://github.com/Lakshan-Chamoditha-Perera/D24-Hostal-Management-System.git*

Youtube Channel Details FInder

The YouTube Data Analyzer is a web application featuring seamless integration with Google APIs, particularly the YouTube Data API. This integration allows users to access real-time data from YouTube channels, including metrics like subscriber count, view count, and video count. With this functionality, users can gain valuable insights into channel performance and audience engagement. The integration also ensures efficient data retrieval and processing, enabling a smooth user experience within the application.

GitHub Repository : *https://github.com/Lakshan-Chamoditha-Perera/Youtube-Channel-Finder*

Google Clone

The project is an HTML document mimicking the Google search engine interface, complete with the recognizable logo, search bar, and submission buttons. Users can engage with the search functionality seamlessly within a visually appealing layout.

GitHub Repository : *https://lakshan-chamoditha-perera.github.io/Google-Search-Clone/*

QR Reader/Generator using java

The QR Code Reader is a lightweight Java application that scans QR codes using a computer's webcam. It employs JavaFX for a user-friendly interface, allowing users to start and stop webcam feeds conveniently. Decoded QR code information is promptly displayed, and error alerts enhance user experience. Powered by the ZXing Library, it ensures accurate QR code decoding. Integration of the Webcam Library by sarxos enables seamless webcam functionality.

Technologies : **Java, JavaFX, ZXing Library for QR code processing, Webcam Library by sarxos**

GitHub Repository : *https://github.com/Lakshan-Chamoditha-Perera/QR-Code-Generator.git*
https://github.com/Lakshan-Chamoditha-Perera/QR-Code-Reader.git

Student Management System

The Academic Management System is a Java-based standalone application designed to efficiently manage student records, enrollment, examinations, payments, inquiries, and communication within educational institutions, featuring dynamic QR code generation for streamlined access to individual student details.

Technologies : **Java, JavaFX, MySQL, JasperReports, ZXing Library (QR Code Processing), Webcam Library by Sarxos (Webcam Integration)**

GitHub Repository : *https://github.com/Lakshan-Chamoditha-Perera/1st-Semester-Final-Project*

Thank you for considering my application. I am eager to bring my skills and dedication and contribute to the success of your team.

Sincerely,

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A. Lakshan Chamoditha Perera
16/04/2024