



Lakshan Chinthaka

Objective

Aspiring software engineering interns are eager to apply coding skills, contribute to innovative projects and gain practical insights. Looking for a challenging role to learn from experienced professionals and contribute to real world projects

About Me

I completed HND in Software Engineering and Proficient knowledge of Back-end technologies like Spring Boot, MySQL and Front-end technologies like HTML / Tailwind CSS / Javascript /React.Js and also I have experience in AWS EC2 ,RDS and Firebase. In addition, a fast learner with the ability to quickly grasp new concepts and work collaboratively with teams. These qualities can be used effectively in a software engineering environment

Education

Complete Person BTCH HND in Computing - Software Engineering

Esoft Metro Campus - Galle

2022 - 2024

- C# | Java | HTML | CSS | JavaScript | MY SQL

Skills

Spring Boot	Tailwind CSS	Problem solving
MySQL	React js	Logical thinking
UI/UX	Firebase	Time management
HTML	Creativity	Teamwork





Projects

Larnnig Management System (Full Stack)

Used Technology - Spring boot | React | MySQL | Firebase | AWS RDS & EC2 | TailwindCSS

- Spring Boot JWT is used for security (Role - Student and Admin)
- Firebase is used to store assignment files and profile pictures
- The back-end is deployed in AWS EC2 and the database is deployed in AWS RDS
- There are Entities like Student, Course, Batch, Account Assignment, Address, School, Subject, Qualification and also have CRUD operation.
- Can assign subjects to courses and after registering students, can enroll in courses and batches
- There are facilities to send email
- Pie, Bar, Line chart is used to display assignment, student and system data
- Admin Dashboard total student, subject, school, assignment as well as pass rate has been displayed in real time
- Total 400,404,500 error count and 200 HTTP request count has been tracked by spring boot actuator.
- Spring boot actuator has been used for measure CPU, RAM and server and database status of the system
- Custom exception has been used to handle exception
- SQL native query is used
- Pagination used to improve the API
- Axios uses for API data fetch, adept at managing state in React with useState, useEffect, useParams and Context.
- All interfaces are responsive

Contacts

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-  331/B, Unagaswela, Karandeniya , Galle

Point of Sale System (Back-end)

Used Technology - Spring boot | MySQL | Swagger 2 | AWS RDS & EC2

- The back-end is deployed in AWS EC2 and the database is deployed in AWS RDS
- The customer can place an order and view the order
- Data can be filtered and Calculate total amount, total orders, Qty
- Implemented transaction management to ensure data integrity
- A native query is used to retrieve the customer's order data.
- Used one-to-one and many-to-one relationships
- Used Reusable code to reduce code duplication
- Custom exception has been used to handle exception and Response entity has been used to provide a standard response to the user.
- Map Struct is used to efficiently map between Entity and DTOs
- CRUD operation has been implemented for customer, order and item
- Swagger 2 is used to interact with REST API

Question-and-Answer-Platform (Full-Stack)

Used Technology - Spring boot | React.Js | MySQL | Firebase | TailwindCSS

- Firebase Authentication
- Use nested comment
- Users can post and answer as well
- Can see the reply count and users who have liked the posts
- CRUD operations for entities like Post, Comment, etc.
- Custom exception handling for better error management.
- Implements pagination to improve API performance.
- Axios for API data fetch, with state management in React using useState, useEffect
- Data visualization
- Fully Mobile Responsive
- Use modern UI for increase UX

E-commerce Web Application - HND Final Project

Used Technology - Python-Django | HTML | Bootstrap

- Customer, admin and staff Login and logout
- Product and Brand Add, remove, edit
- Product category section and Brand
- Online Payment and cash on delivery
- Cart functionality
- Fully functional Admin dashboard
- Data visualization
- Customer and staff can be Order tracking
- Admin can be create User role and user permission