AUNG NAING TUN

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EDUCATION

B.C.Sc (Computer Science)
2015 - 2020

SKILLS

- Java Spring Boot , MVC
- Azure Functions, JSP
- C# , Flutter
- HTML, CSS, SCSS, JavaScript
- TypeScript, Express.js
- Angular.js, React.js
- MySQL, MS SQL, PostgreSQL
- MongonDB
- Docker

Mobile App Training (2016)

- Samsung Tech Institute
- Android Application (Java)
- Training By New Wave Technology(in UCSY)

Contests

International Collegiate Programming Contest (ICPC):

- **Certificate 2017 (UCSY)**
- **Certificate 2017 (UCSY)**

WORK EXPERIENCES

Full Stack Web Developer at MIT (October 2022 - present)

Backend Development

- Maintain and develop core banking services (Java, Spring Boot).
- Mobile banking API service that integrates with multiple banks(Java).
- Mobile Admin Console backend services(Java Azure Functions,Node.js)
- Maintain BFF Services (Spring Boot)
- Report Services (JSP,Jasper Report Server)
- Setup and Deploy Services to Azure Cloud using Docker.
- Implement authentication, authorization, and data protection.
- Optimize server performance (Load testing , Concurrent Testing)
- Write Documentaion for APIs

Frontend / Mobile App Development

- Core Banking System (Angular, React).
- Mobile Banking Admin Console (Angular, React).
- Matain and Develop mobile banking App (Flutter).
- Develop Activity Management System Dashboard (Angular).
- Integrate frontend with backend APIs for dynamic data display.
- Implement authentication and authorization for secure access to banking features.

Database Development

- Design database schemas for efficient data storage and retrieval.
- Write and optimize SQL/NoSQL queries for CRUD operations.
- Manage data migration between different database versions.
- Optimize queries and indexes for better performance.
- Work with NoSQL databases for flexibility.
- Documented database schemas.

- Please visit -

Portfolio : https://portfolio-7693b.firebaseapp.com/
https://github.com/Mraungnaingtun

Projects

Banking Management System & Security & unit test

A comprehensive Banking Management System that allows users to perform deposits, withdrawals, transfers, and balance checks.

Key Features:

- Banking Management System with deposit, widthdraw, transfer and balance check.
- Implemented using Test Driven Development (TDD) principles.
- Implemetned spring security role base (access and refresh tokens logic)

 https://github.com/Mraungnaingtun/banking-unit-test

`Spring Boot` `JUnit5` `Postgres`

User Management Service

A CRUD application built with the MVC framework for comprehensive user account management, featuring registration, profile updates, and secure authentication, utilizing Thymeleaf for dynamic UI management.

Key Features:

- User Management Service is a CRUD application built with the MVC framework.
- Full user account management (registration, profile updates, secure authentication)
- Thymeleaf for dynamic user interface management

 https://github.com/Mraungnaingtun/spring-crud-thymeleaf

`Spring MVC` `MySql` `Thymeleaf`

Myanmar Gold Calculator

Myanmar Gold Calculator is a gold calculation tool based on the traditional Myanmar measurement units (Kyat, Pay, Roy), widely used by many users through a mobile app.

Key Features:

- Calculate gold quantity by inputting measurements (e.g., 1 Kyat, 2 Pay, 1 Roy).
- Calculate how much gold can be purchased with a specified amount of money.

 https://github.com/Mraungnaingtun/shwe

`Reactjs` `Material UI`

Oauth2 Resource Server

This project implements authentication and authorization using the latest Spring Boot and Spring Security versions.

Key Features:

- Supports access tokens and refresh tokens for secure API access.
- Provides role-based access control for specific endpoints, ensuring secure operations based on user roles.

https://github.com/Mraungnaingtun/oauth2-resource-server

Spring Boot   Spring Security 6.3.3   Postgres

Angular & API Calling

This project demonstrates API calling in Angular, utilizing a simple and effective approach with TypeScript Data Transfer Objects (DTOs) for type safety.

Key Features:

- Easy API integration using Angular's HttpClient module.
- Type-safe data handling with TypeScript DTOs to ensure data integrity.
- Clear separation of concerns with service-based architecture.
- Built for a smooth and efficient development experience.

https://github.com/Mraungnaingtun/api-call-in-angular

Java   Angular

Portfolio Website

My portfolio website that showcases projects and skills with a sleek design.

Key Features:

- Built with **Angular** for a dynamic and responsive user experience.
- Utilizes **Angular Material** for modern UI components.
- Supports both dark and light themes for user customization.

https://github.com/Mraungnaingtun/portfolio

Angular   Angular Material   Firebase Hosting