



Mahadi Karim Munif

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About

Software Engineer at Zabai with experience building and maintaining production systems, including a Django-based Learning Management System and an HRM platform developed with FoalTS and Angular. Skilled in backend development, RESTful APIs, database-driven applications, and server management on Linode. Strong programming background in Python, C#, JavaScript, SQL, and NoSQL, with additional exposure to machine learning and image processing.

Technologies & Tools

Languages: Python, Java, C++, C#, JavaScript

Backend: Django, ASP.Net, Flask, FastAPI, FoalTS, Express

Frontend: React, Angular, Bootstrap, Tailwind CSS

Cloud: AWS, Linode

Database: MySQL, PostgreSQL, MongoDB

DevOps: GitHub, Bitbucket, GitHub Actions, Jenkins

Work Experience

Senior Software Engineer - Zabai (2024 – Present)

- Developing LMS using Django CMS and TailwindCSS
- Built HRM system using FoalTS and AngularJS
- Managing servers on Linode

EduHub (LMS)

Django, TailwindCSS, GrapesJS, Solr, Ansible

The Learning Management System (LMS) has been developed leveraging Django, TailwindCSS, and GapesJS technologies. This platform enables student enrollment in courses, providing access to educational resources. Integrated within the LMS is a Career Guidance Tool, built upon the RIASEC model, designed to assist students in identifying potential career paths aligned with their interests following the completion of an assessment. Additionally, the system incorporates a leaderboard and a digital library. The homepage offers extensive customization capabilities using plugins. Currently, the system supports both Burmese and English language interfaces.

HRM System

FoalTS, Angular

Designed and implemented an HRM system for Zabai to track attendance, manage leave entitlements, and display detailed log history. The system is actively evolving, with upcoming improvements to optimize performance, usability, and feature set.

Personal Projects

Dating APP

ASP.NET, Angular

A simple dating application featuring user profiles, like and share functionality, and real-time chat. The system was built using ASP.NET for the backend and Angular for the frontend, with SignalR enabling real-time messaging and notifications. The application was deployed on AWS, ensuring scalability and reliable performance.

Advising Portal

Django, React

A Django-based Advising System designed for universities enables students to select courses during advising sessions. It empowers them to compute their CGPA, access their class schedules and grades, and update their profile information. Instructors and advisors can utilize the system to add courses, view class schedules, and submit grades for students.

Group Chat Application

Django, React

A user-centric group chat or study chat system, enabling users to create and join various rooms. Within these rooms, users can engage in topic-specific discussions and keep track of recent activities within other groups. This feature-rich platform empowers users to seamlessly navigate, contribute, and stay informed within their chosen communities.

Inflammatory Skin Disease Classification (Thesis)

Python, Transfer Learning, Image Processing

Employing transfer learning, augmentation, and image processing techniques, we successfully classified 18 types of skin diseases. Our approach resulted in an impressive accuracy rate, reaching the pinnacle at 93%.

Academic History

BSc in Computer Science & Engineering

East West University (2019–2023) — CGPA: 3.53

HSC — Notre Dame College (2015–2017) — GPA: 5.00

SSC — Ideal School and College (2009–2015) — GPA: 5.00