Muhammad Ichsan

Banda Aceh | mhmmd.ichsan321@gmail.com | (+62) 822 8994 2509

linkedin.com/in/mhmmdichsan | github.com/MhmmdIchsan

Introduction

As a fresh graduate in Informatics from Syiah Kuala University, my academic journey has been driven by a deep passion for Software Engineering and Web Development. Throughout my studies, I have built a strong foundation in fundamental software engineering concepts, complemented by hands-on experience through various academic and personal projects. My dedication to these fields has been further strengthened by active participation in extracurricular activities, where I have refined both my technical expertise and collaborative skills. I bring solid software engineering skills and a passion for building software solutions.

Education

Syiah Kuala University   2021 – 2025
- Bachelor's Degree in Informatics - GPA: 3.76/4.0 (Cum Laude)

Modal Bangsa Arun Senior Highschool   2018 – 2021
- Mathematics and Natural Science

Experience

Syiah Kuala University

Information System and Network Analyst at FMIPA USK   Jun 2025 – Present
- Maintained and developed features for FMIPA USK academic websites.
- Managed and monitored web servers.
- Performed daily app and database backups to ensure uptime.

DPMPTSP Aceh

Backend Developer Intern   Jul 2024 – Aug 2024
- Managed backend development for web applications.
- Implemented, tested, and maintained backend services.
- Collaborated with the development team to enhance application performance.

Bangkit Academy led by Google, Tokopedia, Gojek, & Traveloka

Mobile Development Cohort   Feb 2024 – Jul 2024
- Received comprehensive training in mobile app development.
- Developed technical, soft skills, and English proficiency to prepare for career opportunities.

Informatics Student Association Syiah Kuala University

General Secretary   Feb 2024 – Jan 2025
- Oversee daily activities, manage correspondence, and provide strategic input to the chairman.
- Facilitate communication among members and coordinate organizational projects.
- Foster teamwork synergy to achieve HMIF USK's goals.

Staff of Student Welfare Management Department   Feb 2023 – Jan 2024
- Participated in formulating innovative plans and developing novel programs.
- Collaborated with the department head, deputy head, and secretary.
- Established a work environment that promotes tranquility, enjoyment, and comfort.

Syiah Kuala University Course Assistant

DevOps Course Assistant — Jul 2024 – Dec 2024
- Supported the delivery of DevOps principles and practices.
- Assisted in presenting course material and guiding students.

Software Engineering Course Assistant — Jan 2024 – Jun 2024
- Taught SCRUM and Agile concepts and implemented them in Mendix applications.
- Helped students understand adaptive and collaborative software development methodologies.

Advanced Database Course Assistant — Jul 2023 – Dec 2023
- Specialized in instructing Oracle SQL Developer.
- Provided hands-on guidance to help students master complex database concepts.

Database Course Assistant — Jan 2023 – Jun 2023
- Specialized in instructing MySQL and teaching basic database principles.
- Provided a dynamic learning environment to support hands-on MySQL development.

Projects

Non-Invasive Traffic Monitoring in Banda Aceh City
- Developed, installed, deployed, and tested a non-invasive traffic congestion monitoring system using Bluetooth Low Energy at several points in Banda Aceh City
- Tools Used: Bluetooth Low Energy, AWS, Kotlin, NextJs, Typescript

WayFind - Public Transport Recommendation App
- Android application that recommends public transportation for traveling to tourist destinations in Jakarta
- Tools Used: Android, Kotlin, MapBox API, GCP, ML

E-Booking Room System
- Web-based system for booking available meeting rooms in offices/institutions
- Tools Used: Laravel Livewire, Javascript, Tailwind CSS, MySQL

LifeSinc - Health App
- Web-based health monitoring application featuring health calculators, real-time tracking, and personalized goals
- Tools Used: AdonisJs, Tailwind CSS, Javascript, MySQL

LAMBO - Online Stomach Disease Diagnosis System
- Expert system for detecting stomach diseases based on user-input symptoms
- Tools Used: Python, Flask, Javascript, CSS

RubbishRevive - Web-Based Waste Management App
- Web-based application for waste pickup and point redemption to encourage public awareness of proper waste disposal
- Tools Used: Laravel, Javascript, Tailwind CSS, MySQL

Booking Me - Appointment Scheduling System
- Web-based application that helps students and lecturers schedule appointments effectively
- Tools Used: Laravel, Javascript, Tailwind CSS, MySQL

Technologies

Language: Bahasa Indonesia, English

Programming Language: C, Java, SQL, PHP, JavaScript, Typescript, Kotlin, Python, NodeJS, MySQL

Technologies: Oracle SQL Dev, Figma, Amazon Web Services, Google Cloud Platform, Linux, Docker, MongoDB