

Muhammad Ilham

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Informatics Engineering graduate with strong expertise in web development, specializing in Laravel, React, and full-stack solutions. Proficient in building scalable, high-performance web applications, with a focus on clean, maintainable code and seamless user experiences. Additionally skilled in mobile development using Kotlin and React Native, enabling cross-platform solutions. Proven ability to collaborate within cross-functional teams to design and implement innovative applications. Seeking a challenging role to apply my web and mobile development skills to drive impactful product development.

EDUCATION

Bachelor Degree in Informatics & Education

Makassar, Indonesia

Universitas Negeri Makassar

2021-2025

GPA: 3.95

Lecturer Assistant for the Programming and Technology Course. 2022 – 2023

- Assisted in teaching programming concepts and conducted lab sessions.

Lecturer Assistant for the Mobile Programming Course 2024 – 2025

- Guided students through mobile app development projects, providing technical support and feedback.

Lecturer Assistant – Retrieval System Course, 2024-2025

- Facilitated practical sessions and provided guidance on search system implementation using Python. Evaluated student understanding and provided feedback on practical work.

WORK EXPERIENCE

Bangkit Academy

Online

Mobile Developer

Aug 2023 - Jan 2024

- Developed a mobile application SeaFest with a team, focused on fish freshness detection using machine learning models.
- Integrated machine learning models directly into the app for real-time fish freshness analysis, utilizing APIs from the Cloud Computing team for user data (email, password) and scan history storage.
- Implemented essential features such as user login, fish scanning, and scan history using Kotlin and MVVM architecture for maintainability.
- Collaborated with the Machine Learning team to fine-tune the model integration, conducting multiple meetings to discuss data inputs and optimization solutions.
- Overcame challenges in integrating the ML model by researching and troubleshooting solutions through online resources and team discussions.

PT Digital Desa Indonesia

Gowa, Indonesia

Software Engineer

Jan 2024 – June 2024

- Developed OCR model for KTP scanning on the Andi Smart platform, leveraging YOLOv8 to extract relevant data from ID cards.
- Collaborated in a 3-person team (including a designer and another developer) to build the Face Recognition Attendance System for the Buku Tamu Desa app, using FaceNet for accurate and real-time employee attendance tracking.
- Conducted extensive research on face recognition technology and implemented it to meet the specific needs of the village's employee attendance system.
- Tackled challenges related to unfamiliar tech stacks by performing in-depth research and collaborating with team members to solve issues related to model integration and performance.

Freelancer

Online

Software Developer

2024 – Present

- Developed full-stack web and mobile applications for various clients, focusing on both front-end and back-end development.
- Worked with technologies such as PHP, Laravel, Kotlin, and React Native to create efficient, high-performance solutions.
- Built APIs to integrate functionalities for mobile and web applications, ensuring seamless communication between systems.
- Mostly worked independently, but also collaborated with small teams to deliver comprehensive solutions.

Skills

Programming Languages: Kotlin, PHP, JavaScript, Python

Frameworks & Libraries: React, Laravel, React Native, Vue

Tools & Technologies: MySQL, Postman, VSCode, WSL, Git, Github, docker

Soft Skills: Problem-solving, Time Management, Teamwork, Adaptability

RELATED PROJECT EXPERIENCE

Marketplace WTM & WL | Laravel

Backend Developer.

- Developed a marketplace system allowing multiple stores to list and sell products, enabling cross-store collaboration. Stores can publish their products, which other stores can subscribe to or purchase directly.
- Designed and implemented a package using Laravel and NPM to synchronize shop and product data between WTM and WL projects, leveraging AG Grid for efficient data management.
- Built webhooks to manage attribute groups for products, enabling dynamic activation and deactivation of product attributes. Also, developed modules to enable or disable specific features in the WL platform.
- Overcame significant challenges integrating two separate Laravel versions (Laravel 7 and Laravel 11), collaborating closely with the team to find solutions for each issue that arose.

Live Class Pahamify | React

Frontend Developer.

- Developed a web platform for managing and displaying live class schedules, allowing users to join and track past live sessions.
- Implemented an interactive and responsive navbar, redesigned the live class detail page, and integrated the class calendar for improved user experience.
- Delivered a fresh, user-friendly interface, simplifying navigation and enhancing user engagement.
- Collaborated with UI/UX designer and PM, using Bitbucket, Figma, and TLDrawing for efficient project coordination.

Buku Tamu dan Absensi DIGIDES | React Native

Mobile Developer.

- Developed face recognition-based attendance system for village office staff using FaceNet to track attendance efficiently.
- Implemented a face registration feature to store staff faces for attendance verification.
- Created a Barchart feature to visualize attendance data and track staff presence over time.
- Overcame challenges with device compatibility (Huawei and Xiaomi) by adjusting the app for optimal performance on both devices.

Mitra Pahamify | Vue

Frontend Developer.

- Developed a web platform for Pahamify partners to manage their partnership, view earnings, track achievements, and monitor cash withdrawals.
- Added features including monthly and yearly targets, wallet history, and income history, while redesigning the user interface for a fresher and more user-friendly experience.
- Implemented multi-role functionality, allowing different user roles to access specific features and information tailored to their needs.
- Collaborated with UI/UX designer and PM using Bitbucket, Figma, and TLDrawing for efficient project coordination and execution.

MoneyLog | Laravel

Fullstack Developer.

- Developed a web application for tracking income and expenses (MoneyLog), with features for managing and monitoring personal finances.
- Implemented dynamic chart functionality, allowing users to toggle between different charts and choose which data to display.
- Added multi-currency support, enabling users to track their financial records in various currencies based on real-time exchange rates.
- Designed the platform with a unique black-and-white comic sketch theme, providing a visually engaging user experience.

CERTIFICATIONS

- Kelas Git Lanjutan
CodePolitan | 2025
Completed an advanced Git course, focusing on version control strategies, branching, merging, and resolving conflicts in collaborative development environments.
- Belajar Dasar Pemrograman Web
Dicoding | 2024
Completed a comprehensive course on HTML and CSS fundamentals, covering website structure, semantic elements, responsive design with Flexbox, and essential styling techniques for web development.
- Bangkit Academy
Bangkit Team | 2024
Completed the Bangkit Academy program, specializing in Mobile Development, designed to produce high-caliber technical talent for top Indonesian technology companies and startups.
- Belajar Prinsip Pemrograman SOLID
Dicoding | 2023
Completed the course on SOLID programming principles, focusing on object-oriented design and best practices for writing maintainable, scalable, and robust code.
- Belajar Pengembangan Aplikasi Android Intermediate
Dicoding | 2023
Completed the course focused on advanced Android components such as Custom Views, Widgets, Animation, Localization, Geo Location, Firebase, and advanced testing and database management.