

FADHEL AKBAR SALLANG

08233427110 | fadhelakbarsallang@gmail.com | <https://github.com/fadelakbars>
Jl. Ketapang, Kec. Panakkukang, Kota Makassar

Experiences

Sakura Digital Nusantara - Makassar, Indonesia

Dec 2024 - Feb 2025

Fullstack Developer Intern

- Contributed to the full-cycle development of web applications, from translating UI designs into interactive interfaces to implementing backend logic and deploying to production.
- Used Laravel for backend development and Blade with Tailwind CSS to build clean, responsive, and maintainable user interfaces.
- Structured and optimized relational databases, and implemented core modules including user authentication, admin dashboards, and content CRUD functionality.
- Actively participated in client requirement discussions and collaborated with the team to refine and adjust features based on feedback.
- Performed functional testing and basic debugging to ensure reliability and user satisfaction before release.

Algenz - Makassar, Indonesia

Jun 2025 - Present

Software Engineer (Project Based)

- Conducted needs analysis and authored comprehensive Product Requirements Documents (PRD).
- Developed scalable RESTful APIs utilizing Go (Fiber) and TypeScript (NestJS).
- Built a web-based WhatsApp blast application using Go (GOWA) to handle scheduled bulk messaging workflows.
- Integrated RabbitMQ as a message broker to efficiently manage and process background message delivery queues.
- Rebuilt and optimized the company landing page using Next.js, significantly improving Core Web Vitals and SEO performance.
- Authored detailed technical API documentation using Postman, Swagger, and Markdown to accelerate frontend team integration.

Ruangguru - Makassar, Indonesia

Nov 2025 - Present

Partime Coding Teacher

- Teaching coding material for elementary to high school students in the Kalananti (Ruangguru Coding) Kalananti Ruangguru X UOB My Digital Space program
- Teaching programming with Scratch to elementary school students
- Teaching programming with MIT App Inventor to middle school students
- Teaching programming with Python to high school students
- Served as a semifinal judge for Codefest, evaluating individual participant projects based on technical implementation, code quality, and problem-solving efficiency.

Educations

Universitas Negeri Makassar - Makassar, Indonesia

Aug 2022 - Aug 2026

Bachelor of Informatics and Computer Engineering, 3.94/4.00

- Laboratory Assistant, Department of Informatics and Computer Engineering, Universitas Negeri Makassar (2024) – Facilitated laboratory practicums for Computer Networks and Network Administration, substituted for lecturers in delivering course modules, and assessed students' readiness prior to practicum sessions.
- Undergraduate Researcher & Software Developer, MBKM Studi Independen – Developed a mobile application for the IoT-integrated Smart Water System (SWS) research project and participated in the complete research workflow, from problem identification to drafting academic publication manuscripts.
- Freshman Mentor, Department of Informatics and Computer Engineering, Universitas Negeri Makassar (2024) – Mentored incoming freshmen on university life, academic ethics, coursework consultation, and early career/MBKM program opportunities.
- Vocational High School (SMK) Internship Mentor – Supervised vocational intern students in the department laboratory and coached them for vocational competency certification exams across Computer & Network Engineering and Software Engineering.
- Asistensi Mengajar di Satuan Pendidikan (AMSP) at SMKN 2 Makassar, co-teaching and substituting for lead instructors in Computer Networking and Database Systems vocational courses.
- Student researcher at Applied Sensors Research Group, contributing to research on "Terminal Water: Marketing Innovation to Minimize the Use of Bottled Water and Water Production Based on Real Time Quality Sensor" and the "PKM Implementation Publik Smart Dispenser bagi Korban Pengungsian Posko Masjid Al Anwar Blok 10 Perumnas Antang Makassar" 2025
- Internship Mentor, supervised and mentored vocational high school (SMK) students during their practical training/internship at the department laboratory.
- Undergraduate thesis on developing a web-based platform for Sakura Digital Nusantara featuring a company profile, ordering system, and after-sales services. Migrated a web-based platform from WordPress to Laravel to enhance system scalability, featuring an integrated company profile, ordering system, and after-sales service modules.

Project

Vivin Dental Clinic

Web Application

- Building a dental clinic information system to record patient data, payment transactions, and service history.
- Using Laravel, MySQL, and Bootstrap to build a responsive and easy-to-use admin interface.

GenBI UNM

Organizational Website

- Developed the GenBI UNM organization website for the publication of news, articles, galleries, events, board data, and alumni.
- Built using Laravel, MySQL, Tailwind CSS, and Flowbite.

Public Smart Dispenser

Research Website

- Research output website for Public Smart Dispenser product publication and transaction recording.
- Created with Laravel, MySQL, and Bootstrap.

Sakura Digital Nusantara

Company Profile & Service Platform

- Built CV Sakura Digital Nusantara's company website for business profile and publishing services.
- Supports service ordering features such as book publishing, scientific article publication, and customer service management.
- Built using Laravel, MySQL, Tailwind CSS, and Flowbite.

SWS Mobile

Flutter Android App

- Developed an Android application for purchasing drinking water from Public Smart Dispenser machines.
- Key features include registration, login, balance top-up, water purchase, and user profile management.
- Built using Flutter and integrated with REST API from the team's backend.

Coldair

RESTful API Go Fiber

- Developed a backend system for an ERP-style AC service management app.
- Built modular RESTful APIs for user, technician, customer, service orders, invoice, and rating modules.
- Designed relational database structure with multi-address customer support and service tracking.

Algenz

RESTful API NestJS

- Creating a RESTful API for CRUD articles on algenz.id
- Organizing the application using NestJS modules, services, and controllers
- Implementing input validation through DTOs and writing complete API documentation using Swagger

Algenz

Blazi

- Built a web-based WhatsApp blast application using Go (Fiber/GOWA) to handle scheduled bulk messaging workflows.
- Integrated RabbitMQ to efficiently manage messaging queues and ensure reliable background delivery.

Algenz

Tivent

- Engineered an end-to-end event ticketing ecosystem from initial analysis to full-stack implementation across web and mobile platforms.
- Developed scalable backend APIs using NestJS and PostgreSQL with transactional concurrency controls to manage ticket quotas, transactions, and user authentication.
- Built the user-facing web portal using Next.js for ticketing management and a cross-platform mobile app using React Native for real-time on-site QR code check-ins.

Skills

- **Soft Skills:** Public Speaking, Adaptability, Task & Project Management
- **Fullstack:** (Laravel + Blade + Filament), (Go Fiber + Vue.js)
- **Backend:** Go (Fiber + Gorm), Typescript (NestJS + Prisma), PHP (Laravel)
- **Mobile:** Flutter
- **Vibe Coding:** Codex, Opencode, Antigravity, Lovable, IBM Bob

- **API Documentation:** Postman, Swagger
- **UI Development:** Bootstrap, Tailwind CSS, Flowbite
- **Version Control:** Git, GitHub
- **Project Management Tools:** Trello, Notion, Whimisical
- **Database:** MySQL