FADLIL FERDIANSYAH

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PROFESSIONAL SUMMARY

Experienced in Web Development, Mobile Development, and Cloud Hosting. Skilled in building dynamic and responsive web applications as well as intuitive mobile apps that cater to diverse user needs. Proficient in deploying and managing applications across various cloud platforms to ensure scalability and reliability. Adept at optimizing performance, enhancing system stability, and delivering seamless user experiences across devices and environments.

SKILLS

- **Programming Languages:** JavaScript, TypeScript, PHP, Python, Kotlin, HTML5, CSS3
- **Web Development:** React.js, Vue.js, Laravel, Filament, RESTful APIs, GraphQL, Tailwind CSS, PWA
- **AI & Machine Learning:** Artificial Intelligence, Machine Learning, Computer Vision, Object Detection (YOLO)
- **Cloud Platforms & DevOps:** Cloud Computing (GCP), Docker, RESTful APIs, Flask, FastAPI, App Engine
- **Mobile Development:** Flutter, Dart, Kotlin
- **Tools & Databases:** MySQL, phpMyAdmin, Postman, TensorFlow, OpenCV, ONNX Runtime, Microsoft Office, Git, GitHub, VS Code, Android Studio, SQL, Bash, CLI
- **Soft Skills:** Project Management, Leadership, Problem Solving, Troubleshooting, Team Collaboration, Continuous Integration (CI)

WORK EXPERIENCE

BP UBIKAR UNDIP – IT Staff | September 2025 – Present

- Developed Aroomi, a comprehensive web-based venue and asset rental application designed to streamline the reservation process for university facilities and equipment within the UNDIP ecosystem.
- Built a robust administrative dashboard using Filament PHP, enabling efficient management of rental inventory, booking schedules, and multi-level user permissions.
- Architected and optimized relational database schemas using Laravel to handle complex rental workflows, ensuring data integrity and high performance for concurrent booking requests.
- Developed and managed the official profile website using WordPress CMS, overseeing theme customization, plugin integration, and regular maintenance to ensure optimal performance and up-to-date information.
- Provided comprehensive IT technical support, including hardware troubleshooting, network infrastructure maintenance, and software installation to support daily departmental operations.

PT Rekayasa Agromarin Indonesia – FullStack Web Developer (Internship) | Jul 2024 – May 2025

- Developed a progressive web application called Dokter Ikan, designed to assist fish farmers in detecting fish species, diagnosing diseases using AI, and consulting with aquaculture experts.
- Designed and implemented responsive UI using Next.js and Tailwind CSS to ensure optimal accessibility across devices.
- Built backend APIs and server-side logic using Express.js, integrating AI services for species identification and disease diagnosis.
- Integrated frontend and backend via RESTful APIs, enabling seamless data flow and real-time interaction.
- Conducted thorough testing to ensure system reliability, cross-browser compatibility, and responsiveness in field usage scenarios.

Bangkit Academy led by Google, Tokopedia, Gojek, & Traveloka – Mobile Development Cohort | Sep 2024 – Jan 2025

- Gained in-depth knowledge of mobile app development, UI/UX design, and performance optimization through structured learning modules and hands-on projects from Dicoding.
- Completed challenging final projects and practical labs using Kotlin and Android Studio, enhancing skills in building responsive, high-performance mobile applications.
- Strengthened understanding of modern Android development practices through participation in the Bangkit Academy Mobile Development Cohort 2024 Batch 2.

CV. Arshaka Jaya Kreasindo – Backend Web Developer (Internship) | Dec 2023 - Feb 2024

- Developed a web-based tour package reservation system during the internship program.
- Designed and built RESTful APIs using Laravel PHP to handle reservation logic and data transactions.
- Implemented server-side business logic and database interactions using Eloquent ORM.
- Integrated front-end interfaces with backend APIs, ensuring seamless user experience and data flow.
- Conducted testing and debugging to ensure system reliability, performance, and compatibility.

PROJECT EXPERIENCE

Aroomi: Web-Based Venue and Asset Rental System for UNDIP – FullStack Developer | Oct 2025 - Des 2025

- Developed "Aroomi," a comprehensive rental application using Laravel and Filament PHP, designed to digitize and automate the reservation process for university venues and assets within BP UBIKAR UNDIP.
- Built a robust administrative dashboard featuring multi-level user permissions, real-time inventory tracking, and automated booking management to increase operational efficiency.

- Architected relational database schemas and developed a responsive user interface using Laravel and Tailwind CSS, ensuring a seamless end-to-end user experience for both students and university administrators.

Capstone Tugas Akhir: Perancangan Progressive Web Application "Dokter Ikan" untuk Deteksi dan Identifikasi Penyakit pada Ikan Budidaya Air Laut Berbasis AI – FullStack Developer | Aug 2024 - May 2025

- Developed a Progressive Web App using Next.js and Express.js for fish species and disease detection in marine aquaculture.
- Integrated AI model (YOLOv11 in Pytorch) and an expert system for disease diagnosis based on user-input symptoms.
- Implemented offline functionality with IndexedDB and optimized the app for low-connectivity environments.

Program Capstone Bangkit 2024: NutriSense – Personalized Nutrition Tracking and Dietary Insights – Mobile Developer | Nov 2024 – Dec 2024

- Developed NutriSense, a mobile application built with Kotlin to help users monitor and manage their daily nutritional intake.
- Integrated a facial shape prediction API to personalize user experience, utilizing cloud infrastructure hosted on Google Cloud Platform (GCP).
- Implemented local data storage and API-based services to support offline access and real-time recommendations.

Village Administration Website for Multidisciplinary KKN Program – Front-End Developer | Jul 2024 – Aug 2024

- Developed a village administration website as part of a multidisciplinary KKN program
- Used HTML and Tailwind CSS to create a clean and responsive design, improving accessibility for local businesses.

Arshaka Tour Travel Package Reservation Website – Back-End Developer | Dec 2023 – Feb 2024

- Developed and maintained the backend system for the travel package reservation website using Laravel and MySQL.
- Designed and implemented RESTful APIs.
- Integrated backend services with the React.js frontend.
- Optimized database queries and ensured data integrity.

EDUCATION

Diponegoro University – Bachelor of Computer Engineering | 2021 – 2025
GPA: 3.77/4.00

ORGANIZATION EXPERIENCE

Al Muharrik – Islamic Student Organization, Computer Engineering Department | Sep 2022 - Jun 2023

- Supported religious and spiritual development programs through effective internal and external communication strategies.
- Handled internal announcements and external outreach to enhance student participation and visibility.
- Strengthened skills in communication, media coordination, and team collaboration.