Muhammad Fachruddin

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SUMMARY

I am a dedicated web developer with expertise in both front-end and back-end development. Experienced in creating responsive, user-friendly websites with an optimal user experience. Passionate about exploring new technologies and implementing innovative solutions in software development.

WORK EXPERIENCE

Web Developer Intern at TVKU Semarang
PT. Televisi Kampus Universitas Dian Nuswantoro | March 2025 – Present
- Developed an internal application called Monolid for company operations.
- Determined suitable technology stack and transitioned legacy system from CodeIgniter 2.
- Built core features to manage internal workflows and employee access.
- Improved system efficiency and maintainability by modernizing outdated codebase.
- Collaborated with supervisors to ensure the system aligns with organizational needs.

Web Developer Intern at Diskominfo
Department of Communication and Informatics | January 2025 – February 2025
- Responsible for rebranding the official website to improve usability and modern design.
- Redesigned UI/UX for better accessibility and responsiveness.
- Optimized website performance and security.

Web Developer
Freelance | July 2023 – January 2024
- Built and developed various websites using Laravel and React.js.
- Integrated payment systems and third-party APIs to enhance application functionality.
- Optimized website performance to improve user experience.

PROJECTS

BahasaKita - Local Language Learning Platform
Front-End Developer (Competition Project) | https://bahasakita.vercel.app/ | March 2025
- Built the user interface of a regional language learning platform using Next.js, focusing on a clean, modern, and fully responsive design.
- Implemented interactive features including challenge-based quizzes, conversational chatbot, mini-games, and story-driven learning to boost user engagement.
- Designed and developed UI components for advanced features like OCR-based smart dictionary, dialect recognition, and user achievement systems (badges and rankings).

D-Form – Event and Attendance Management System
Front-End Developer (Internal Project) | https://d-from.doscom.org | March 2025
- Developed the front-end of a digital platform using Laravel Livewire to streamline event management and attendance for Dinus Open Source Community (DOSCOM) and external participants.
- Implemented dynamic interfaces for event scheduling, real-time participation monitoring, and QR Code-based attendance check-in.
- Designed user-friendly components to support open community access, allowing both members and non-members to engage in organizational activities and annual planning.

SDN Pedurungan Kidul 04 – Website Rebranding
F Developer | January 2025
- Redesigned and rebuilt the school's official website using Laravel Filament for an intuitive admin panel and Livewire for a dynamic user interface.
- Implemented a complete content management system, allowing admins to easily update school information, news, and other content without technical knowledge.
- Ensured full responsiveness and real-time user interaction, providing seamless access across desktop and mobile devices for students, parents, and staff.

Wesbeng - Waste Bank App
Back-End Developer Course - Campus | December 2024 - January 2025
- Developed RESTful APIs using Laravel, enabling efficient data exchange and robust back-end functionality.
- Designed and implemented a secure authentication system using Laravel Passport, enhancing API security by 85%.
- Built a scalable and efficient admin panel with Laravel Filament, improving user experience by 50% through an intuitive UI.

SimpleLMS - API

Server-Side Programming Course - Campus | github.com/fachruddinruddin/be_simple_lms |
January 2025

- Developed a Dockerized LMS platform using Python, Django, and SQLite, reducing setup time by 50% for new development environments.
- Implemented core LMS features, including course management, content management, member management, and a comment system to enhance functionality.
- Added advanced features such as course announcements, feedback collection, and category management to improve user engagement.

EDUCATION

Dian Nuswantoro University (Udinus)
Bachelor's Degree in Computer Science | 2026

INVOLVEMENT

Administrator of Programming Division

Dian Nuswantoro University | Dinus Open Source Community | September 2024 – Present

- Assisted in delivering React.js material as a teaching assistant at OOTS DOSCOM 2024.
- Assisted in delivering Git material as a teaching assistant at OOTS DOSCOM 2024.
- Contributed to the open-source community by sharing knowledge and promoting best practices.

TECHNICAL SKILLS

- Tools & Technologies: JavaScript, PHP, Laravel, Filament, Livewire, CodeIgniter, Node.js, Next.js, React.js, Express.js, Bootstrap, Tailwind CSS, MySQL, PostgreSQL, MongoDB, SQLite, Git, REST API
- Interpersonal Skills: Teamwork, Critical Thinking
- Languages: Indonesia, English