





# Muhamad Ferdinal

## Software Developer

Hello, I am a Software Developer with professional experience since 2019. I specialize in Web Development and have a strong interest in crafting reliable, scalable, and user-focused digital solutions. Throughout my career, I continuously explore the latest technologies and best practices in software engineering to ensure every product I build remains aligned with modern standards and industry advancements.

 Bogor, Indonesia

 <https://ferdinalaxewall.vercel.app/>  [LinkedIn - Muhamad Ferdinal](#)  [Github - Muhamad Ferdinal](#)

## Work Experience

### Backend Developer • PT. Rembon Karya Digital

August 2023 – Present

At Rembon Karya Digital, I develop, enhance, and maintain multiple web applications and digital platforms. I design scalable backend architectures, implement secure API integrations, optimize system performance, and manage deployment pipelines for staging and production. I work with cross-functional teams and stakeholders to translate complex requirements into reliable, maintainable software solutions.

Key project partners I have delivered solutions for:

- Influencing Indonesia (INFINA)
- Ministry of Communication and Digital, Indonesia (KOMDIGI)
- Atlas Education Services
- J-Trip Indonesia
- Educoffee
- PAM International Cargo
- Ministry of Public Works (PU)
- Sampoerna Retail Community
- Association of Entrepreneurs and Operators of Free Nutritious Meal Kitchens (APPDMBGI)
- PT Catalyst Technology Solution
- Waqf of the Sharia Economic Community (MES)

Impact highlights:

- Improved operational efficiency and user experience by building and maintaining scalable, secure internal systems.
- Delivered web platforms supporting thousands of users with reliable performance and continuous uptime.
- Accelerated business processes through API automation and optimized backend workflows.
- Supported digital transformation initiatives for enterprise and government projects.

### Outsource Software Developer • Garap Digital Nusantara

November 2022 – Present

At Garap Digital Nusantara I develop web applications that enable digital transformation and improve operational efficiency across industries. Projects include travel service platforms, lead and partnership management systems, attendance and HR solutions, Hajj & Umrah management systems, and industrial IoT implementations for real-time material tracking. I prioritize stable performance, seamless user experience, and scalable backend architectures.

Key Projects Delivered:

- Company Profile with Partnership Management – CV Karya Dawoon Indonesia
- Lightech Assessment Application – PT Academia Citra Abadi
- Property Consultant Management Application – Mitra Mugi Properti
- HR Management Application – PT Harmony Land Group
- Travel Service Application – PT MyKiss Solution Technology
- Hajj and Umrah Travel Application – PT Gamal Hikmah Pusaka & KORPRI
- IoT Crusher Management System – PT Solusi Bangun Andalas
- Running Registration Application – Nusantara Run
- Water Bill Payment Application – PDAM Tirta Agara
- MQK International Absence System – Kementerian Agama RI

Impact highlights:

- Automated and streamlined workflows across multiple large-scale operations
- Delivered applications for sectors including travel, HR, IoT industry, property management, and public services
- Improved performance reliability through structured API integration, database optimization, and maintainable codebases
- Supported large rollouts by building features aligned with operational needs and measurable business outcomes

## Software Developer • Uncal Digital Technology

February 2022 – August 2023

I initially joined as a Frontend Developer with a key responsibility to improve UI/UX and overall visual quality of the company's main products. Within three months, I successfully refreshed the product interface to a more modern and flexible design using HTML, CSS, and Vanilla JavaScript. The improvements enhanced both user interaction and maintainability for the product team. Following that achievement, I was trusted to handle critical backend and engine-related development tasks using Java, involving system stability, integration processes, and performance optimization.

Key Projects Delivered:

- UNCAL Log System – Bank Mega | Java

Led improvements on the log monitoring system, enabling more structured error tracking and smoother maintenance processes for enterprise environments.

- UNCAL Company Profile Website | PHP

Developed a clean and informative internal-facing company profile used for business representation and stakeholder access.

- UNCAL Integration Configuration – ESB v2 | Java Spring Boot

Enhanced configuration modules ensuring smoother integration workflows between multiple enterprise systems.

- UNCAL Data Mapping – ESB v2 | Java Spring

Implemented essential data mapping features to support complex transformation rules across connected enterprise applications.

- UNCAL Engine Services – ESB v2 | Java

Contributed to the core engine backend responsible for reliable processing and secure operational flows in ESB architecture.

- UNCAL BPMN Integration Workflow – ESB v3 | Java Spring Boot

Developed BPMN-based configuration as part of the product's next generation, enabling more intuitive and visual integration processes.

Impact highlights:

- Improved frontend performance and flexibility, reducing maintenance effort for the engineering team
- Played an active role in enterprise product modernization from ESB v2 to ESB v3
- Strengthened product reliability and integration capability for high-scale business operations
- Transitioned from frontend to backend responsibilities, demonstrating strong adaptability and fast learning

## Internship Web Developer • Radar Bogor

September 2019 – November 2019

At Radar Bogor, I contributed to both the technical and editorial sides of the digital news platform. My work involved developing an information-based website to support their digital media expansion, including maintaining the existing news portal powered by WordPress CMS. Alongside technical tasks, I was also entrusted to write and publish news articles, ensuring content accuracy and timely delivery for daily readership.

### Key Contributions:

- Built a new information media website to support Radar Bogor's online publication ecosystem
- Maintained and optimized the WordPress-based news article website for better performance and stability
- Produced and published several news articles aligned with editorial guidelines and topical relevance

### Impact highlights:

- Strengthened digital presence through improved website functionality and content availability
- Helped enhance user engagement by ensuring platform stability and up-to-date content delivery
- Gained early multidisciplinary experience across web development and journalism, supporting foundation for professional growth in tech

## Education



2022 - 2026

**Universitas Bina Sarana Informatika**

Information Systems



2018 - 2021

**SMK Amaliah 1 Ciawi**

Software Engineering

## Skills

- Object-Oriented Programming
- Web Development
- JavaScript
- Spring Boot
- Web Design
- Figma
- HTML5
- CSS3
- Java
- Node.js
- Database Management Systems
- PHP
- PHP Laravel Framework
- React.js
- Express.js
- Next.js
- MvSQL

## Languages

- English - Intermediate
- Indonesian - Native or bilingual

mySQL-

- MSSQL Server
- Python
- React Native
- Go
- PostgreSQL
- NestJS
- IoT
- Nest.js
- Gin Framework
- Laravel Framework
- CodeIgniter
- Flutter

Powered By  **Cake**