

Achmadya Ridwan Ilyawan

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WORK EXPERIENCE

Knitto Group Bandung City, West Java
Backend Developer - Contract Oct 2024 – present

- Developed and maintained a suite of enterprise applications, such as Color Management Integration (Dosorama & X-Rite), Project Management System, QR Tag Management, Master Data Management, and other factory-support applications.
- Conducted research and development to improve factory operational, such as automation and integration.
- Built internal backend service packages to support cross-application functionality and reusability.

Technologies used: TypeScript, Express, MySQL, PostgreSQL, C++, RabbitMQ

PT. Pilar Timur Teknologi Digital Oasis Bandung City, West Java
Full Stack Developer - Internship Jun 2023 – Sep 2023

- Developed “Mega Master Engine”, an H2H credit server that includes Payment Point Online Bank (PPOB) functionality. Activities included developing APIs, building user interfaces, creating database schemas, designing database procedures, scraping transaction data from local banks, and refactoring code.

Technologies used: JavaScript, TypeScript, Java, Electron, React, Tailwind, MySQL, Selenium

- Developed “Dios Employee”, an employee management system that streamlined operational processes..

Technologies used: JavaScript, PHP, Laravel, Bootstrap, MySQL

SIDE PROJECTS

MCP Databases Remote
Developer - Volunteer Apr 2026 – Sekarang

- A project that aims to create a MCP (Model Context Protocol) for databases.

Technologies used: TypeScript, Node.js, MySQL, PostgreSQL, MSSQL, SQLite, Excel

Satuan Pengawas Internal Politeknik Negeri Bandung West Bandung Regency, West Java
Full Stack Developer - Freelance Jan 2024 – Aug 2024

- Developed a risk management web application for Satuan Pengawas Internal Politeknik Negeri Bandung.

Technologies used: JavaScript, PHP, Laravel, Bootstrap, MySQL

Himakom Polban West Bandung Regency, West Java
Full Stack Developer - Volunteer Jun 2023 – Sep 2023

- Built Member Management Web and API for streamlined administration and event broadcasting.

Technologies used: Laravel, Bootstrap, JQuery, Firebase Cloud Messaging

EDUCATION

Politeknik Negeri Bandung West Bandung Regency, West Java
Associate Degree in Informatics Engineering 2021 - Aug 2024

ADDITIONAL

Certifications: Knitto x DQ Lab — Build GenAI Chatbot; Boot.dev — Python, RAG, and Data Structures;
Dicoding — SOLID, JavaScript, Back-End, AWS Cloud; LinkedIn Learning — Advanced Express, React.js Essential;
Arutala Lab — Software Testing; Progate — Fundamental Python.