MUHAMAD ALWAN FADHLURROHMAN

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Resume

A fifth-semester undergraduate student in Informatics Engineering at Universitas Nasional PASIM with a GPA of 3.66 and a recipient of the Sustainable Community Empowerment (PUB) Scholarship since 2023. Enrolled in an accelerated three-year study program focusing on intensive training in programming and application development using Java and React. Possesses over two years of full-stack software development experience through individual and team projects, with strong expertise in Back-End development using Java Spring Boot and Front-End development using React. Previously served as Head of Education & Training Division and Head of Recruitment (PPMB) until September 2025, contributing to technical training and student selection. Highly motivated by code quality, system efficiency, and collaboration, with a career interest in Back-End and Full-Stack Web Development.

Experience

Head of Recruitment (PPMB) - PUB Scholarship   *Des 2024 – Sept 2025*
PASIM Nasional University Bandung

- Oversaw the entire recruitment process for PUB scholarship new students (batch 2025).
- Organized the selection process including document screening, technical tests, and interview stages.
- *Worked closely with PUB leadership to ensure transparency and quality standards in candidate evaluation.*
- Managed internal communications between divisions to coordinate selection events and data management.

Head of Education & Training Division - PUB Scholarship   *Sept 2024 – Sept 2025*
PASIM Nasional University Bandung

- Led and managed programming training sessions for scholarship students.
- Served as an **instructor for Algorithm Logic, Database Management (DBMS), and Web Fundamentals.**
- *Designed learning materials and supervised student projects during each training phase.*
- Coordinated with other divisions to align the technical training with PUB's curriculum goals.
- Mentored first-year students to strengthen their coding foundations and logical problem-solving skills.

Education

Bachelor of Informatics Engineering   *Sept 2023 - Present*
PASIM Nasional University Bandung

- IPK 3.66 / 4.00
- Recipient of the *Sustainable Community Empowerment (PUB) Scholarship*
- *3-Year Acceleration Program*

Project

Mobile Store – React Fundamental Project (Midterm) | Okt 2025
Tech Stack: React, Vite, JavaScript, Tailwind CSS

- Developed a single-page e-commerce app using React Hooks for state management.
- Applied component-based architecture for efficient UI development.
- Enhanced interface aesthetics using Tailwind CSS.

ZakatNow – Full-Stack Zakat Management Web App | Jun 2025 – Sept 2025
Tech Stack: Java Spring Boot, React, PostgreSQL, Tailwind CSS, JavaMail, Xendit API, JWT, Render, Vercel

- Developed a full-stack zakat and donation management web application with *JWT-based authentication* and *Role-Based Access Control (RBAC)* for Admin, Donor, and Campaign Manager roles.
- Implemented donation campaign features (CRUD operations, image upload, distribution reports, and fund tracking) along with **Xendit Payment Gateway** integration in sandbox mode for transaction simulation.
- Built automated email notifications (registration, successful donation, password reset) using **JavaMail**, and deployed the system via **Render (backend)** and **Vercel (frontend)**.
- Integrated bilingual support (Indonesian–English) and an Admin dashboard displaying donation statistics, user count, and active campaign data.

LocoBooking API (Advanced Java Final Project) | Mar 2025 – Apr 2025
Tech Stack: Java, Spring Boot, Spring Security, Hibernate/JPA, MySQL, REST API, Swagger
- Collaborated in a 3-member team to design and build a RESTful train ticket booking API.
- Responsible for **data management (Admin-only CRUD)**, **booking report checking**, and **ticket & route management** (train search, train & seat details, and schedule management).
- Utilized Swagger for API documentation and endpoint testing, ensuring consistent data integration across modules.

Loan Management API (Advanced Java Midterm Project) | Feb 2025
Tech Stack: Java, Spring Boot, Hibernate/JPA, MySQL, REST API, Swagger
- Built a RESTful API for managing customers, loans, and payments independently within 7 days.
- Implemented loan status logic (*Active, Completed, Overdue*) based on due dates and payments.
- Showcased strong business logic design and API optimization skills.

GedeClimb Reserve – Hiking Ticket Booking Web App | Nov 2024
Tech Stack: Java, Spring Boot, HTML5, JavaScript, MySQL, Thymeleaf, Bootstrap CSS
- Redeveloped the CLI project into a full-stack web application using Java Spring Boot.
- Implemented login, booking management, and MySQL database integration.
- Showcased adaptability and engineering skills in transforming a CLI app into a modern web-based system.

WanFlix – Movie List Web App | Jul 2024
Tech Stack: HTML5, CSS3, JavaScript, TMDB API
- Built a movie list web app integrated with the TMDB external API.
- Practiced asynchronous data handling and responsive UI design.
- Strengthened understanding of DOM manipulation and public API usage.

GedeClimb Reserve – Hiking Ticket Booking App (CLI) | Jan 2024
Tech Stack: C, File Handling (TXT)
- Developed a command-line hiking ticket booking application using C language.
- Implemented data persistence using *.txt* files as a simple text-based database.
- Demonstrated logical thinking and data structure design in a text-based reservation system.

Skills

Bahasa Pemrograman	: Java, JavaScript, SQL, HTML5 & CSS3, PHP, C, C++
Framework & Library	: Spring Boot & Spring Security, React, Hibernate/JPA, Tailwind CSS, Bootstrap, Thymeleaf
Tools & Teknologi	: MySQL, PostgreSQL, Git & GitHub, Postman, Swagger
Konsep & Metodologi	: Desain RESTful API, Object-Oriented Programming (OOP), Agile/Git Workflow
Soft Skills	: Team Collaboration & Leadership, Problem Solving & Analytical Thinking, Effective Communication, Time Management; Adaptability & Continuous Learning,