

IRGI AHMAD MAULANA

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Bandung, Indonesia

Versatile Software Engineer with over 3 years of hands-on experience specializing in core backend architectures, full-stack web development, and financial technology solutions. Experienced in developing secure, regulatory-compliant payment systems, optimizing development workflows through automated DevOps practices, and expanding technical impact into engineering leadership by driving sprint executions and aligning cross-functional teams to meet product objectives.

Work Experiences

PT Sinar Digital Nusantara - Bandung, Indonesia

Dec 2025 - Present

Lead of Engineer

PT Sinar Digital Nusantara is a digital company that provides innovative digital solutions to help grow your business.

- Stepped up to lead an agile, cross-functional engineering team, driving technical readiness, product initiatives, and engineering resources for the licensing phase.
- Technical Leadership & Architecture: Serve as the primary decision-maker for application architecture, system design, and infrastructure directions to meet strict central bank compliance standards.
- Team & Sprint Management: Direct daily sprints, oversee task delegation, and manage team capacity to ensure high-velocity execution aligned with regulatory deadlines and product roadmaps.
- Cross-Functional & Stakeholder Collaboration: Act as the primary liaison between engineering and non-technical divisions (Product, Legal/Compliance, Operations) to align technical workflows with Bank Indonesia's licensing requirements.
- Initiative Scoping & Outlining: Architect comprehensive technical outlines and define structural/resource requirements for all incoming product features and infrastructure hardening initiatives.
- Engineering Advocacy: Protect engineering velocity and team focus by filtering and prioritizing backlog demands from compliance and external departments before conversion into development tasks.

PT Sinar Digital Nusantara - Bandung, Indonesia

Apr 2025 - Dec 2025

Backend Engineer

PT Sinar Digital Nusantara is a digital company that provides innovative digital solutions to help grow your business.

- Regulatory Compliance: Spearheaded the development of the SinarPay QRIS module, ensuring compliance with PJP Category 2 regulations and financial standards.
- Architecture & Scalability: Designed, built, and maintained the SinarPay core system to ensure scalability, fault tolerance, and high performance for financial transactions.
- Cross-Functional Collaboration: Partnered closely with Product Managers and the Head of IT Development to translate business and regulatory needs into secure, efficient technical solutions.
- System Observability: Enhanced system observability by integrating comprehensive monitoring services, enabling proactive issue detection and performance tracking.
- DevOps Efficiency: Initiated and implemented automated CI/CD pipelines to streamline development workflows, significantly reducing manual deployment errors.

PT Teknologi Digital Terdepan - Bandung, Indonesia

May 2024 - Apr 2025

Backend Developer

Trusted software company with a team of experts who can help with web or mobile app development, UI/UX design, and more.

- Payment Gateway Engineering: Contributed to the development of the SinarPay payment gateway system, implementing merchant workflow solutions that optimized transaction pipelines.
- API Architecture: Designed, built, and maintained reliable RESTful APIs powering core operations, ensuring high security, performance, and scalability.
- Internal Systems: Implemented key backend systems to support merchant onboarding, transactional data monitoring, and admin management dashboards.
- Content Management: Managed the Content Management System (CMS) for the company profile website, ensuring efficient content updates and consistent digital branding.
- Stakeholder Alignment: Collaborated cross-functionally with stakeholders to translate business requirements into technical features, continuously improving the platform based on real-world usage.

PT Dimy Tech - Bandung, Indonesia

Feb 2024 - May 2024

Backend Engineer

An IT consulting firm specializing in engineering custom enterprise business applications and systemic infrastructure solutions.

- System Migration: Designed and implemented API features dedicated to data import and migration workflows for a savings and loan cooperative platform.

Academic Service Department Telkom University - Bandung,

May 2022 - Feb 2024

Indonesia

Web Developer and Backend Engineer

The central academic administration division managing core educational data infrastructure, software solutions, and internal university platforms.

- **National Reporting Platform:** Developed a mission-critical data reporting portal to synchronize and report records for thousands of university students directly to the PDDikti national database.
- **NestJS Migration:** Designed two modern API systems utilizing NestJS, TypeScript, and Prisma ORM, managing data synchronization schemas between legacy academic databases and external PDDikti Feeder endpoints.
- **Data Validation Engine:** Built a server-side validation system that automated data sanitization and sorting, reducing submission errors before national transmission.
- **Mobile Development:** Built and launched an Android application to capture and track customer service satisfaction ratings.

PT.Leholeh Nusantara Jaya - Jawa Barat, Indonesia

Sep 2020 - Mar 2021

Android Developer Intern

- **E-Commerce Engineering:** Programmed consumer-facing modules for a native Android e-commerce application using MVVM architecture and integrated real-time REST API endpoints.

Someah Kreatif Nusantara - Bandung, Jawa Barat, Indonesia

Jun 2020 - Aug 2020

Android Developer Intern

- **UI/UX Implementation:** Developed native Android interfaces by translating high-fidelity UI design patterns into robust, responsive layout code using the MVVM pattern.

Education Level

Universitas Telkom - Bandung, Jawa Barat, Indonesia

Sep 2021 - Aug 2023

Bachelor of Computer Science, 3.80/4.00

Universitas Telkom - Bandung, Jawa Barat, Indonesia

Diploma in Software Engineering Application, 3.91/4.00

Skills, Achievements & Other Experience

- **Mobile Development:** Flutter, dart, and kotlin
- **Front End Development:** ReactJS, NextJS, Tailwind, Bootstrap, Laravel
- **Database:** MySQL, PostgreSQL, and Firestore
- **Back End Development:** Node JS, Express JS, Nest JS
- **Projects:** Vemotion (<https://vemotion.streamlit.app>) - Project to proof model classification that I build for my thesis
- **Claude Code** (2026): AI-Assisted Development