

AGYAN ATMA VILLANTYA

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Head of Engineering and full-stack developer with 7+ years of experience building and scaling web and mobile products. Proven track record of growing from Full-Stack Programmer to Technical Lead to Head of Engineering at CV Nore Inovasi. Strong in software architecture, infrastructure, end-to-end product delivery, and AI-driven workflow integration that improves cross-functional productivity and operational execution.

WORK EXPERIENCE

CV Nore Inovasi

Head of Engineering, Permanent Employee

Semarang
2024 - Present

- Own architecture direction, infrastructure scaling decisions, and engineering execution across company systems.
- Lead a multi-disciplinary technology team, covering standards, delivery quality, mentorship, and engineering culture.
- Translate business goals into technical roadmaps, delivery plans, and maintainable system decisions.
- Drive adoption of agentic AI workflows to improve productivity across engineering and adjacent departments.

CV Nore Inovasi

Technical Lead, Permanent Employee

Semarang
2022 - 2024

- Led cross-functional engineering delivery for complex product initiatives across web and mobile platforms.
- Established engineering standards, code review rituals, and stronger implementation discipline for the team.
- Defined the first generation of service architecture to improve scalability, reliability, and maintainability.
- Worked closely with stakeholders to turn product requirements into practical delivery plans and shipped features.

CV Nore Inovasi

Full-Stack Programmer, Permanent Employee

Semarang
2019 - 2022

- Developed and shipped web and mobile features across multiple internal and client-facing products.
- Built foundations in backend systems, database design, server operations, and disciplined end-to-end delivery.
- Handled implementation from requirement analysis through deployment and production support.

EDUCATION

Universitas Diponegoro (UNDIP)

Bachelor's Degree, Computer Technology, Faculty of Engineering

Semarang
2015 - 2019

- Built a foundation in systems thinking, computer architecture, and applied engineering.
- Developed the technical lens used today for reasoning about infrastructure, scale, and maintainable systems.

SKILLS

Leadership Skill	Technical Leadership, Team Mentorship, Engineering Management, Cross-Functional Collaboration, Product Strategy, Delivery Planning
Hard Skill	Full-Stack Development, Web Development, Mobile Development, System Architecture, Infrastructure, API Design, Database Optimization, DevOps, AI Workflow Integration
Domain Skill	ERP Systems, Procurement, Inventory, Finance Workflows, Chatbot and RAG Assistants, Command Center Systems, Ecommerce, POS, Payment Integration, Automation

PROJECTS

AturKosMu.ID

Boarding-house management platform for owners and tenants, covering listings, tenant onboarding, billing, and day-to-day operations.

- Role: Product Lead, Software Architect, Full-Stack Engineer.
- Owned delivery from requirement gathering and MVP scoping through architecture, implementation, and deployment.
- URL: <https://aturkosmu.id/>

Cognitype ID

AI-powered SaaS platform for social media agencies that unifies content ideation, drafting, scheduling, and workflow execution.

- Role: Product Lead, Software Architect, Full-Stack Engineer.
- Built a single workspace that reduces manual overhead and improves agency team throughput.
- URL: <https://cognitype.id>

G-EMx: Multi-Currency Payment Platform

International multi-currency payment platform built to support the business processes of Singapore-based G-Emx Technologies.

- Role: Project Manager, Software Architect.
- Delivered a full-stack application focused on client operations, acquisition support, and maintainability.
- Technologies Used: NextJS, AWS Amplify, Amazon RDS.

Multi Payment System (MPS) by Telkom Indonesia

Multi-payment system used to provide payment integration within Telkom Indonesia's product environment.

- Role: Frontend Developer.
- Contributed the frontend application layer that interfaced with an existing backend system.
- Technologies Used: NextJS.

Loyalty Point Exchange (LPE) by Telkom Indonesia

Non-regulated blockchain proof of concept for digital wallet and point exchange in the Telkom Indonesia ecosystem.

- Role: Full-Stack Developer.
- Helped build the application from product requirements into a working full-stack implementation.
- Technologies Used: NextJS, ExpressJS, PostgreSQL.

OlimpiadeKu: Digital Exam Platform

National-scale digital exam platform for students in Indonesia, spanning web, mobile, and backend administration.

- Role: Software Architect, DevOps.
- Refined the existing architecture to improve robustness, efficiency, and support for a larger user base.
- Technologies Used: NextJS, React Native, Laravel, MySQL, NGINX.

Digiwalet: Swallow's Nest Commerce Platform

Commerce platform supporting business operators in the swallow's nest industry, from farmers to factories.

- Role: Project Manager, Software Architect, UI/UX Designer.
- Led architecture, interface concepting, development direction, and ongoing maintenance improvements.
- Technologies Used: React Native, Laravel, MySQL, NGINX.

UKM Lokal: Point of Sales Application

Web and mobile point-of-sale platform for SMEs focused on simplifying and improving core business operations.

- Role: Product Manager, Project Manager, Software Architect.
- Worked on product optimization and user experience improvements to increase adoption and satisfaction.
- Technologies Used: React Native, ReactJS, NextJS, Laravel, MySQL, NGINX.

Operational Systems and Automation

Delivered internal systems and automation layers that improved execution reliability and visibility across business operations.

- Built ERP and core process systems for procurement, inventory, and finance workflows.
- Developed chatbot and RAG assistants for internal knowledge retrieval and faster coordination.
- Implemented ecommerce, POS, Midtrans payment integrations, crawler pipelines, and Discord bot automations.