

Muammar Mufid Darmindra

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Fullstack developer with 2 years of experience building internal systems from scratch for manufacturing and non-profit organizations — from gathering requirements straight from users, through implementation, to deployment. Used to doubling as the bridge to stakeholders.

EDUCATION

UIN Sunan Kalijaga Yogyakarta | Yogyakarta, Indonesia

Jul 2021 – Aug 2025

B.Sc. in Informatics | GPA: 3.68/4.0

WORK EXPERIENCE

G-Tekt Indonesia Manufacturing | Karawang, Indonesia

Oct 2025 – Present

IT Digitalization Staff - Contract Employee | Apr 2026 – Present

- Promoted to contract employee after building the internal digitalization system from scratch during the internship.
- Sole author of the **COPQ (Cost of Poor Quality)** subsystem (~25k LOC) — a six-stage batch state machine with a hard-enforced quantity-conservation invariant, statistical QC sampling, and accrual costing on separate work and finding time axes — tracking quality cost across **2,540 defect lots**.
- Developed the **skill matrix** module wired into the training system, and spearheaded the **PLC** integration initiative to gate machine access by employee competency.
- Standardized cross-subsystem navigation — command palette, menu search, quick access — now used by every module on the platform.

IT Staff Intern | Oct 2025 – Mar 2026

- Built the internal digitalization system serving **390+ employees across 15 sections** for training, approval, and operations, with **3,100+ approvals** processed in production through a policy-driven approval engine reused across quality, patrol, and cost workflows.
- **Lead contributor to the platform**: architected the Turborepo monorepo (Next.js + NestJS + Prisma) on PostgreSQL, integrating with an Oracle-backed ERP, and wrote **71% of the code live in production** across 113 data models and 23 backend modules.
- Built most of the **core backend modules from scratch** — training, quality patrol, master data, authentication, approval, ticketing, improvement plan — covering competency assessment, per-section checksheets, and multi-level approval.
- Carried features from factory-floor requirements through domain design to production release on an **on-premise Windows Server** — a self-hosted GitHub Actions pipeline with **blue-green slot switching, health gating, and automatic rollback**, delivering zero-downtime releases without Docker or a reverse proxy.

Asosiasi Profesor Muslimat NU | Yogyakarta, Indonesia

May 2026 – Aug 2026

Project Manager & Fullstack Developer — Project-Based

- Architected the organization's platform from scratch — a **3-app monorepo** (public site, admin panel, REST API) on Nuxt, NestJS, Prisma, and PostgreSQL: **90 endpoints across 12 domain modules**, 14 data models, and 7 shared packages, shipped as Docker images to GHCR and auto-deployed to a VPS.
- Led a **4-developer team** through sprint planning and weekly meetings as the **direct bridge to the client**, and set the engineering conventions the team followed — API and Swagger standards, backend/frontend patterns, definition of done, git workflow — written up as **18 best-practice guides and 13 ADRs**.
- Turned client needs into **PRDs and a backlog**, reviewed and merged **64 PRs** as the team's integrator, and led the tracker migration from Linear to Jira — including the CI automation that parses multi-issue branch names and posts Jira issue details onto each PR.
- Led the migration of **187 legacy member records into production** (176 verified professors, deduplicated with a documented verification report), built the member distribution visualization, designed the QR-based digital member card, and authored the handover user guides.

Medika Digital Nusantara | Yogyakarta, Indonesia

Jun 2025 – Aug 2025

Fullstack Developer Intern

- Developed an HRIS used by **30+ hospitals**: bug fixes, input validation, and stability improvements.
- Applied a **CI/CD pipeline** and code review process to keep the codebase healthy.
- Used Redmine in an **Agile workflow** for ticket management and team coordination.

Horus Technology | Yogyakarta, Indonesia

Nov 2024 – May 2025

Fullstack Developer Intern

- Built **integration middleware** between a travel booking app and Accurate ERP so transactions **sync automatically with no manual entry**.
- Implemented a **Pub/Sub** architecture (Flask + Vue.js on GCP Cloud Run) for real-time data exchange between systems.
- Set up the CI/CD pipeline and API documentation with Apidog through to a **live, actively used system**.

Metakarya | Yogyakarta, Indonesia

Aug 2023 – Aug 2024

Project-Based Programmer & DevOps Engineer

- Developed a Laravel-based Point of Sales application to **production-ready** for cashier and transaction management.
- Led a team of 3** across design, backend, and frontend.
- Managed VPS deployment, server optimization, and **automated system backups**.

PW Muslimat NU Yogyakarta | Yogyakarta, Indonesia

Jan 2024 – Feb 2025

Project-Based Programmer & DevOps Engineer

- Built the organization's WordPress site: **1,000+ monthly visitors**, maintained daily by **50+ admins** across branches.
- Developed a Laravel-based administration app serving **2,000+ members**.
- Handled CI/CD, deployment, domains, plus Nginx and SSL/TLS configuration.

PROJECTS AND ACHIEVEMENTS

Smart Rice Guard

Oct 2024

Samsung Innovation Campus

- IoT system based on **ESP32-CAM + YOLO AI** for bird detection on farmland.
- Integrated with an **Ubidots dashboard** and an **automated loudspeaker system**.
- Top 10 Nationally** (University Category), Samsung Innovation Campus 2024/2025.

CropOptima

Aug 2023

Bangkit Academy

- Kotlin-based Android app for plant disease detection using Machine Learning.
- Managed model deployment on a **VPS** and backend API integration.
- Selected as **Top 50 Nationally**, Bangkit Academy 2023 Batch 2.

SKILLS

Programming Languages	PHP, JavaScript, TypeScript, Python, Java, C#, Bash Scripting
Frameworks	Laravel, Next.js, Nuxt.js, NestJS, Vue.js, Node.js, ASP.NET, Flask, WordPress
Databases & ORM	PostgreSQL, MySQL, Oracle, MongoDB, Prisma
Cloud & DevOps	Docker, Nginx, CI/CD, GCP, Digital Ocean, Cloudflare, Linux/Windows Server, PM2
Project Management	Agile/Scrum, Sprint Planning, PRD, Jira, Linear, Stakeholder Communication
IoT & AI	ESP32-CAM, MQTT, PLC, YOLO, Streamlit
Tools	Git, Turborepo, Swagger/OpenAPI, Redmine, Google Workspace, Canva
Certificates	IBM Fullstack Development, IBM JavaScript Programming, Microsoft IT Support — via Coursera (view)