

# Muhammad Akbar Dzikri Mubarok

West Java, Indonesia

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Software engineer with 3+ years of experience designing and developing scalable web applications, robust APIs, and backend systems. Proficient in technologies like Node.js, AdonisJS, and Svelte. Exposure to the financial services industry and experience in business domains such as digital payments and e-commerce.

## SKILLS

**Top Skills:** Full-Stack Development, Linux, System Administration

**Tech Stack: Backend:** AdonisJS, Drizzle ORM, NestJS, Node.js, TypeScript

**Tech Stack: Frontend:** Next.js, React, Svelte, Tailwind CSS

**Tech Stack: Infra & Devops:** Docker, Docker Compose, HestiaCP, Linux (Debian/ VPS), Reverse Proxies (Nginx)

**Tech Stack: Cloud & Observability:** Cloudflare (R2/ D1/ Workers), LGTM Stack (Loki, Grafana, Tempo, Mimir), Prometheus, SigNoz

## WORK EXPERIENCE

### Self Employed

#### *Independent Software Engineer*

Cirebon, West Java, Indonesia | Dec 2022 - Feb 2026

- Developed custom queries and data models within Node.js applications, improving database performance and supporting scalable solutions for diverse client needs.
- Leveraged AI-assisted tooling to rapidly prototype and deploy containerized environments via Docker, increasing deployment frequency by ~300% without compromising system reliability.
- Architected backend systems and API integrations using Node.js and AdonisJS, optimizing query logic to decrease average endpoint latency by ~40% for data-heavy client projects.
- Delivered 10+ dynamic, database-driven web applications from scratch, successfully transitioning client offerings from static sites to scalable full-stack solutions within 3-8 weeks average delivery cycles.
- Engineered custom Node.js automation scripts for infrastructure migration, reducing manual execution time by over 90% (successfully migrating 524 domains in under 4 hours via parallel execution).
- Provisioned and managed production environments on Linux VPS (Debian) utilizing Docker, maintaining a 99% uptime SLA across 2 active client server nodes.

### Santika Group (Agency Branch of AGP Studio)

#### *Sole Developer*

Feb 2025 - Oct 2025

- Designed and implemented scalable database schemas using Drizzle ORM and robust APIs, safely handling up to 500+ concurrent requests without performance degradation.
- Implemented robust frontend architectures using Svelte and Next.js, focusing on client-side performance optimization through strategic asset lazy-loading and efficient state management.
- Spearheaded the technical delivery of a new agency branch, shipping 5 full-stack MVP applications tailored to specific client requirements within the first 4 months of operation.

### AGP Studio

#### *IT Staff*

Jul 2024 - Oct 2025

- Architected and deployed centralized telemetry across multiple VPS environments using secure port tunneling; integrated SigNoz, drastically reducing incident MTTR (Mean Time To Resolution) by ~80% (from 2+ hours to under 15 minutes).
- Maintained and optimized a highly available production environment for the core creative team, ensuring zero-downtime daily operations despite heavy workload demands.

- Standardized deployment pipelines and license management, ensuring 100% version compatibility across all critical design toolkits.
- Diagnosed bottlenecks and optimized workstation performance for resource-intensive CAD workflows, reducing system crashes and boosting overall team productivity.

## PROJECTS

### Upload Dewek

Feb 2026 - Present

Upload Dewek is a serverless, headless Digital Asset Management (DAM) API built natively on the Cloudflare edge ecosystem. It's designed to handle high-throughput media ingestion by bypassing standard edge compute bottlenecks. Instead of proxying binary payloads through the worker's limited RAM, it orchestrates direct-to-bucket uploads via S3 Presigned PUT policies, coupled with atomic state synchronization and on-the-fly image optimization.

## EDUCATION

### STIKOM Poltek Cirebon

Cirebon, Indonesia

*Bachelor's degree - Computer Science*

Oct 2023 - Feb 2025

- Left the program to pursue full-time opportunities after completing core coursework in Data Structure, Algorithms and Web Development.

### SMK Negeri 1 Kedawung

Cirebon, Indonesia

*Vocational High School - Multimedia*

Jan 2020 - Jan 2023

## CERTIFICATIONS

**Certificate of Competence in Multimedia (KKNI Level II)**

## AWARDS & SCHOLARSHIPS

**National Best TOEIC Score Achiever (985/990)**