

# MUHAMMAD IRZA ARIFIN

## Full-Stack Software Engineer

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Indonesia (UTC+7) | Open to international remote roles

## SUMMARY

Full-stack software engineer with experience delivering remotely from Indonesia for a Riyadh-based startup. Builds business applications with Svelte/SvelteKit, React/Next.js, Node.js, and Go, from requirements through deployment. Delivered government workflows, property-management software, and multi-outlet POS applications, including English and Arabic interfaces. Currently combines hands-on development with mentoring two junior developers as Head of IT.

## TECHNICAL SKILLS

- **Frontend:** TypeScript, JavaScript, Svelte/SvelteKit, React/Next.js, GSAP, internationalization (i18n), Arabic RTL
- **Backend & Data:** Node.js, NestJS, Express, Go/Gin, REST APIs, gRPC, PostgreSQL, MySQL, Redis, SQL
- **Engineering:** Monorepos, Turborepo, Docker, GitHub Actions, Go test, Vitest, Playwright, OpenAPI
- **Mobile & Desktop:** React Native, Flutter, Tauri, Electron
- **Development Workflow:** AI-assisted implementation and debugging, coding-agent orchestration, code review, and testing

## EXPERIENCE

### PT Spend Group International (Spendtime)

Full-time | Bandung, Indonesia

**Head of IT** | Sep 2026 - Present

**Full-Stack Developer** | Apr 2026 - Aug 2026

- **Military Education Platform (SvelteKit, Go, PostgreSQL):** Built a centralized education and quota-management application used by Indonesian Army headquarters and training-institution operators, replacing exchanged Excel files. Records cover 30+ institutions.
- Added quota monitoring, layered validation, and audit logs recording who changed each record and its before/after values, helping headquarters track availability and investigate changes.
- Implemented Redis-queued multi-sheet Excel ingestion, PgBouncer connection pooling, and S3-compatible object storage to support data imports and application operations.
- **Corporate Site & Careers Portal (SvelteKit):** Built a server-rendered site in 5 languages, including Arabic RTL, with an article CMS and role-based publishing and recruitment dashboards.
- **Multi-Outlet POS (Next.js, Turborepo):** Built a system used by 2 outlets for SSE-powered live queues, online booking, inventory transfers, FIFO costing, payroll, and profit-and-loss reporting.
- **WhatsApp Messaging (NestJS, Next.js):** Built a self-hosted application with Redis/BullMQ queues for broadcasts, OTPs, and POS notifications.
- Deploy and operate applications using Docker, Caddy, and Tailscale, with Prometheus/Grafana monitoring. Maintain 50+ WordPress sites for content, performance, and SEO.
- Mentor 2 junior developers, direct tasks, review progress reports, and delegate implementation while continuing hands-on development.

### Independent Freelance Developer

**Full-Stack Developer** | Freelance | Remote

Dec 2025 - Apr 2026

- **SIAP PKWT (React, Express):** Built an employment-contract platform for the Paser Regency government, replacing manual records with company submissions and approval workflows. Integrated an external job portal to transfer verified records without re-entry.
- **Zelhouse Studio POS (Svelte, Tauri, Rust, SQLite):** Delivered an offline POS application for a print studio with material-stock deduction, failed-production tracking, profit monitoring, and native thermal printing.

## Tadsheen

**Full-Stack Developer** | Full-time | Remote from Indonesia for Riyadh, Saudi Arabia

Jan 2025 - Dec 2025

- **Tadsheen PMS (Next.js, TypeScript, Supabase):** Built a property-management product from an empty repository, implementing availability, pricing, reservation, and guest-record workflows with input from a senior engineer. Developed its React Native companion app.
- Integrated the PMS with the Beds24 channel manager to connect Airbnb, Booking.com, and Agoda, supporting centralized OTA management.
- **Parity AI (React, Node.js, Electron):** Turned a dashboard mockup into a working application, built the backend connecting web and desktop clients, and implemented call recording in Electron.
- Integrated Google Gemini to return structured JSON with conversation summaries and service-quality assessments from recorded calls. Tested recording, transcription, and analysis internally.
- Implemented English and Arabic web/mobile interfaces with RTL/LTR layouts and built the marketing site from Figma designs.

## Komunitas Android (Komandro) CCIT-FTUI

**Full-Stack Developer and Instructor** | Part-time | Depok, Indonesia

Feb 2024 - Nov 2025

- Built a Next.js/Supabase LMS with course authoring, quizzes, progress tracking, submissions, and role-based access. Authored a Laravel curriculum.

## RORI Robotic

**Coding and Game Development Instructor** | Part-time | Jakarta, Indonesia

Feb 2025 - Aug 2025

- Wrote a web-development curriculum and taught Roblox game development with individual project feedback.

## Team Coder Web Indonesia

**Full-Stack Developer** | Freelance | Remote

Sep 2024 - Jan 2025

- Built a Laravel guest-booking application with authentication and role-based dashboards, and addressed SQL injection and cross-site scripting risks in an existing codebase.

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## SELECTED PROJECTS

### FINDME

Personal project | Independently built | Available for demonstration

- Built a SvelteKit/Go job portal with gRPC services, PostgreSQL, Redis, role-based access, WebSocket chat, AI-assisted resume matching, and campus internship monitoring.

### SiAnter

Personal project | Independently built | Available for demonstration

- Built a delivery platform with Flutter, Go, PostgreSQL, and a Next.js operations dashboard. Added live driver tracking with OpenStreetMap/OpenRouteService and Firebase push notifications for customer, driver, and outlet workflows.

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## EDUCATION

**Bachelor of Information and Communication Technology (BICT)**

Asia e University, Malaysia (online) | Expected Oct 2027

**Information Technology Program**

CEP-CCIT, Faculty of Engineering, University of Indonesia | Completed Nov 2025

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## CERTIFICATIONS, LANGUAGES & AWARDS

- **Certified Programmer (BNSP)** | assessed by LSP Universitas Indonesia | Jun 2025 - Jun 2028
- **Alibaba Cloud:** Developer (2024), ACA (2024), Generative AI Developer (2025)
- **1st Place, Web Development Competition** | HMIF BEM Universitas Muhammadiyah Jakarta, 2024
- **Languages:** Indonesian (native). English: TOEFL ITP 647/677, Oct 2025