

MOHD. FARHAN. S

Full-Stack Developer | Software Engineer | Next.js & Laravel

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PROFESSIONAL SUMMARY

Recent Informatics Engineering graduate with production experience building full-stack web applications across two ecosystems: Laravel/PHP/MySQL and Next.js/TypeScript/Node.js/PostgreSQL. Built three full-stack applications, two of them deployed to production, featuring REST API design, role-based access control (RBAC), authentication, OWASP-aligned security hardening, CI/CD pipelines, and 256 automated end-to-end tests. Comfortable owning features end to end, from database schema and backend to frontend, deployment, and performance optimization. Seeking a Software Engineer, Full-Stack Developer, or Backend Developer internship or junior role.

WORK EXPERIENCE

Web Developer Intern

Jul 2025 – Aug 2025

Diskominfo Riau Province (Department of Communication & Informatics) • Pekanbaru, Riau

- Co-built Master-Web, a reusable Laravel starter template adopted as the base codebase for new departmental web projects, removing repeated boilerplate setup on every new build.
- Delivered core modules (authentication, user and role management with RBAC, base layouts, starter CRUD) on an MVC architecture, cutting initial project scaffolding from days to hours.
- Applied modular structure and naming conventions through team code review cycles, so future maintainers can extend the template without refactoring.

Media Staff, Tech Community

Sep 2024 – Aug 2025

IQ PRIMATECH Computer Science Club • Pekanbaru, Riau

- Produced technical content promoting web development classes, growing community engagement by roughly 20%.
- Co-organized 3+ workshops on web development, UI/UX, and cybersecurity, each drawing 50+ participants.

PROJECTS

NewsPortal - Full-Stack CMS News Portal Jun 2026

newsportal.my.id

Personal project • Next.js 15, TypeScript 5, Prisma 7, PostgreSQL, Auth.js v5, TanStack Query, TipTap, Zod, Tailwind, shadcn/ui, Cloudinary, Upstash Redis, Playwright, GitHub Actions, Sentry, Vercel

- Built and deployed a production news portal with a 4-role CMS and DRAFT→REVIEW→PUBLISHED editorial workflow, enforced by Next.js middleware and Auth.js v5 JWT with per-request DB revalidation.
- Protected concurrent review actions with atomic TOCTOU guards returning 409 Conflict instead of corrupted state.
- Validated production readiness with 256 Playwright E2E tests across 11 critical areas, 100% passing in a GitHub Actions CI pipeline, alongside WCAG 2.1 AA compliance and a 100/100 Lighthouse SEO score.
- Hardened the app with dual-layer HTML sanitization, CSP/HSTS headers, Redis-backed rate limiting with Sentry alerting, and server-side re-verification of unsigned uploads.
- Engineered a real-time trending engine (24h view dedup, 7-day rolling window) and full-text search over a normalized 9-model PostgreSQL schema.
- GitHub: <https://github.com/MohdFarhanS/newsportal>

Dashboard SPPG - Nutrition & Cost Monitoring System Apr 2026 – Jul 2026

github.com/MohdFarhanS/dashboard_sppg

Final thesis • Laravel, PHP, MySQL, REST API, Chart.js, Bootstrap

- Developed a monitoring system for Indonesia's national Free Nutritious Meal (MBG) program, tracking nutrition and cost efficiency across daily menus for 12 demographic groups.
- Designed RBAC for 4 user types (Superadmin, SPPG Head, Nutritionist, Accountant), each with a dedicated dashboard and permission scope.
- Built a nutrition simulation engine checking 8 nutrients against RDA standards, plus 5+ REST API endpoints, replacing manual calculation entirely.
- Managed a normalized database of 830+ TKPI food-composition records with time-based pricing snapshots, automated Excel/PDF exports, and budget alerts.

CareerFlow - Full-Stack Job Application Tracker Jun 2026

careerflow.web.id

Personal project • Laravel 12, Sanctum, MySQL, PHPUnit, React 19, Vite, Tailwind, Recharts

- Built end to end: Laravel 12 REST API backend + React 19 frontend, connected through Sanctum cookie-based sessions with CSRF protection.

- Structured the backend on Controller→Service→Model across 20+ REST endpoints, including an analytics endpoint aggregating applications into 6 status categories plus monthly trends, rendered with Recharts.
- Hardened the API with rate limiting (5/min auth, 60/min protected) and 4 OWASP-aligned security headers.
- Built a reusable React component library (9 primitives) and 6 custom hooks, with dual validation via React Hook Form + Zod and Laravel rules.
- GitHub: <https://github.com/MohdFarhanS/careerflow-frontend.git> | <https://github.com/MohdFarhanS/careerflow-backend.git>

EDUCATION

B.Eng. (S.T.) in Informatics Engineering
Universitas Islam Riau

Sep 2022 – Jul 2026

SKILLS

Languages	: TypeScript, JavaScript, PHP, SQL, HTML5, CSS3	•
Backend	: Node.js, Laravel 12, REST API Design, Auth.js, Laravel Sanctum, JWT Authentication, MVC Architecture, Clean Architecture	•
Frontend	: React 19, Next.js (App Router, Server Components, Server Actions), Tailwind CSS, shadcn/ui, React Hook Form, Zod, TanStack Query, Recharts, Chart.js, Vite, Responsive UI Design	•
Databases	: PostgreSQL, MySQL, Prisma ORM, Database Design, Schema Migrations	•
Testing & Quality	: Playwright (E2E), PHPUnit, Automated Testing, WCAG 2.1 AA / axe-core, Lighthouse	•
Security	: OWASP-aligned Hardening, RBAC, CSP/HSTS Headers, Rate Limiting, Input Sanitization, CSRF	•
Cloud & DevOps	: Vercel, Git, GitHub, CI/CD (GitHub Actions), Postman, Cloudinary, Upstash Redis,	•
Practices	: Agile Workflow, Code Review, Web Performance Optimization, SEO	

LANGUAGES

Indonesian (Native) • English (Professional)