

John Lenard Requina

Full-stack software engineer

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Philippines · remote

SUMMARY

Full-stack software engineer with a year of production care software behind me: a Next.js care platform and its printable-activity engine, AI-generated activities for a home-care agency, a reports and compliance layer for a nutrition practice, and a leadership operating system built solo from first commit to production. TypeScript, React/Next.js, NestJS, PostgreSQL, MongoDB and applied AI. Author of pi-project-profile, an open-source verification gate for AI coding agents.

EXPERIENCE

Full-stack developer / software engineer — Geriatric Care Solution / Anaya, Remote July 2025 – present

- Built and maintained a live Next.js care platform across user dashboards, admin workflows, subscriptions, protected routes and API routes
- Designed and extended the printable-activity engine — maze, riddle, word-grid, photo-card and story generators with SVG preview, customisation and PDF/PNG export
- Shipped AI-assisted generation with OpenAI, Google Gemini and Anthropic for activities, images, e-books and structured content, including care-record-aware constraints
- Built RunOlga end to end: NestJS + Next.js monorepo, PostgreSQL row-level-security multi-tenancy, Better Auth identity, and a streaming AI assistant grounded in org data
- Integrated Stripe, NextAuth.js, Resend/React Email, Twilio and S3-compatible storage; resolved production incidents across exports, quotas, email analytics and deployments

Full-stack engineer — ChefMD Rx, Remote April – August 2026

- Designed a 15-family reports system over a 46-KPI registry with server-side per-KPI role enforcement, PDF export and per-export audit hashes
- Built the auditor review runtime — state machine, CASL permissions, approval gates — and the in-app notifications MVP
- Added a transactional payment-refunds ledger with backfill and parity invariants

Software development intern — National Power Corporation – Mindanao Generation, Iligan City June 2024

- Developed the inventory system and its approval workflow with role-based access and input validation
- Documented the architecture and ran end-user training sessions

SELECTED PROJECTS

RunOlga — a leadership operating system with an embedded AI assistant 2026 · runolga.com

Solo build — 91 of 95 commits, June to August 2026 · Next.js, React, TypeScript, NestJS, PostgreSQL, Drizzle ORM

- Solo build from first commit to production: NestJS + Next.js monorepo on Railway and Vercel, CI as a required gate
- Postgres row-level-security multi-tenancy proven in CI, Better Auth/JWKS identity, and an AI assistant grounded in org data

pi-project-profile — a project-aware verification gate for AI coding agents 2026 · github

Solo · MIT · published on npm · TypeScript, Node.js, π extension API, node:test, GitHub Actions, npm provenance

- Detects any repository's stack, commands and AGENTS.md/CLAUDE.md/cursorrules rules into a cache-stable prompt section
- Gates every agent turn on the project's own typecheck, lint, tests and build, with a bounded repair loop and diff review

Diskarte — a Filipino budget meal planner 2025 · diskarte.onrender.com

Solo · React, TypeScript, Vite, Tailwind CSS, Express, SQLite

- React + Vite front end and Express/SQLite API; 70 recipes and 82 ingredients priced for three Philippine regions
- Bilingual English/Tagalog UI, QR-shareable shopping lists, WCAG AA contrast, focus traps and 44px touch targets

ClassiFish — on-device fish species identification for Philippine waters 2025

Undergraduate thesis · solo build · Flutter, Dart, Django REST Framework, Next.js, YOLOv11, TensorFlow Lite

- Trained a YOLOv11 detector on 18+ Philippine fish species and optimised it for on-device TensorFlow Lite inference
- Offline-first Flutter app with SQLite sync, Django REST backend with roles and OTA model versions, Next.js admin panel

SKILLS

Languages: TypeScript, JavaScript, Python, PHP, Dart, C++

Databases: PostgreSQL, MongoDB, MySQL, SQLite, Drizzle ORM, TypeORM, Mongoose

Cloud & services: Vercel, Railway, Cloudflare, AWS S3, Stripe, Resend, Twilio, Cloudinary

Frameworks: Next.js, React, NestJS, Node.js / Express, Tailwind CSS, Django, Laravel, Flutter

AI / ML: Vercel AI SDK, OpenAI, Anthropic, Google Gemini, TensorFlow Lite, YOLO, Agent-based modelling

Tools: Git, GitHub Actions, Docker, Turborepo, Restate, REST API design, Linux

EDUCATION

BS Computer Science — Mindanao State University – Iligan Institute of Technology, Iligan City 2025

STEM programme — Philippine Science High School – Central Mindanao Campus, Balo-i, Lanao del Norte 2021