

Raja Revanery Ramadhan

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Education

Sultan Ageng Tirtayasa University

Bachelor of Computer Science - Informatics (Current GPA: 3.87 / 4.00)

Aug 2023 – Present

Cilegon, Banten

Experience

PT Krakatau Tirta Industri

Feb 2026 – Jun 2026

Full-stack Developer (Intern)

Cilegon, Banten

- Architected a device monitoring platform (Tauri, Express.js/Prisma backend, Next.js) deployed to 120+ devices with auto-update, GPS location history, and automated hardware/sleep-shutdown monitoring – replacing manual IT checks after a laptop theft risked hardware and data loss.
- Engineered offline-resilient telemetry collection in a Tauri background service, achieving 100% data retention across 120+ devices with up to 1,440 data points/hour via local persistence and batch-retry on reconnect
- Built a customizable geofencing system with Leaflet across 2 plant sites/5 sub-zones, generating device status alerts (offline, low battery, zone-exit) to detect unauthorized laptop removal from company premises.
- Developed an automated app inventory with installed/removed program tracking across 120+ devices, cutting per-device audit time by 95% (10 min manual per device → instant lookup) after a pirated-software incident that carried significant financial and legal exposure.

PT Amman Mineral Industri

Apr 2026 – Jun 2026

Full-stack Developer (Intern Project via PT KTI)

Remote, Sumbawa

- Reduced per-entry chemical logging time by an estimated 85% (5–10 min manual → under 1 min) by building and deploying a chemical management system (Next.js, Prisma ORM, SQL Server) with QR-based usage recording and FIFO batch tracking (transaction-level locking, oldest-stock-first allocation) across 8+ locations and 8+ chemical types.
- Cut management's stock-visibility lag by 99% (up to 24 hours → instant) by replacing once-daily paper-and-Excel closing reports with a real-time analytics dashboard surfacing consumption variance, critical stock, and reorder recommendations.
- Built a monthly stock planning module with auto-suggested consumption estimates from historical usage across 8+ chemicals, replacing reactive, spreadsheet-based procurement.
- Designed a mobile-first QR workflow with auto shift-detection and location-chemical validation, plus GHS hazard pictogram indicators for immediate risk visibility across 8+ sites.

PT Vinix Seven Aurum

Feb 2026 – May 2026

Full-stack Developer (Intern)

Remote, Yogyakarta

- Led development of a gamified waste-management platform (Next.js, Supabase, PostgreSQL) where users earn points from verified waste reports and redeem them for rewards via a public leaderboard.
- Conducted user research with a 4-person team (interviews, empathy mapping, personas) to identify pain points, then validated the design via usability testing.
- Designed the full rewards system from schema to UI: point/reward database schema, server-validated redemption flow with stock and balance checks, admin CRUD for reward management, and full transaction history.

Konco Hiling

Feb 2025 – Apr 2025

Full-stack Developer (Intern)

Remote, Yogyakarta

- Developed a travel platform (React 19, Vite, Tailwind CSS, Express.js, Prisma ORM, PostgreSQL) featuring tours with tiered pricing and day-by-day itineraries, car rentals, and destination listings.
- Built a markdown blog editor with keyboard shortcuts and live preview, with tag-based routing that powers both editorial blog content and a community marketplace (Lapak) from a single content system.
- Implemented a tiered pricing system with interactive group-size selection and auto-calculated savings badges, plus a booking form with customer details and trip preferences tied to each tour package.

Hotel Merlyn

Jan 2024 – Feb 2024

Frontend Developer (Intern, then Freelance)

Serang, Banten

- Built a responsive hotel website frontend (React.js, Tailwind CSS) with interactive UI components and cross-browser compatibility, improving accessibility across desktop and mobile.
- Redesigned the website end-to-end (SEO, performance, mobile UX), nearly doubling monthly unique visitors (+102%) and total visits (+103%) compared to the 6-month pre-redesign average, while reducing average bandwidth per visitor.

Projects

WastelessSeats – Mobile Surplus Food Marketplace (Hackathon) | *Kotlin, TensorFlow Lite, Firebase, Google Maps API*

- Built a native Android platform connecting food merchants with consumers to reduce local food waste through map-based item discovery and listings.
- Integrated an on-device TensorFlow Lite model into the camera workflow to detect food spoilage and flag expired items in real time without requiring network requests.
- Implemented real-time Firebase Firestore sync for sub-second listing updates, with integer-based pricing and access-controlled write rules to protect transaction accuracy and user data.

HappyMonday – AI-Driven Job Matcher (Hackathon) | *Next.js 16, Gemini Flash, Prisma, PostgreSQL, Tailwind CSS*

- Built an AI-powered job matching platform with a swipe-based interface for personalized job discovery.
- Cut job-application time by an estimated 90% (10–15 min manual form-filling → under 1 min) by parsing uploaded resumes with Gemini 1.5 Flash to auto-extract skills and generate job recommendations that match with resumes.
- Built a per-user caching layer with a 15-minute TTL and rotating API keys with exponential backoff to keep job aggregation reliable under rate limits.

Technical Skills

Languages: TypeScript, JavaScript, Rust, SQL

Frontend: React 19, Next.js 16, Tailwind CSS, TanStack Query, Vite, Leaflet, Recharts

Backend: Node.js, Express.js, Prisma ORM, Supabase, Firebase, Zod

Database: PostgreSQL, SQL Server

Desktop & Mobile: Tauri v2 (Rust), Kotlin

Tools: Git, GitHub, GitLab