

JASON JONATHAN EFFENDI

Full-Stack Developer

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SUMMARY

Creative and curious full-stack developer with 2+ years of experience working on complex and challenging software, driven by building end-to-end solutions that balance technical excellence with real business and user needs.

WORK EXPERIENCE

Freelance Full-Stack Developer | 2026 - Present

ITE Waste – Australia (Remote)

ITAD ERP Platform

- Developing an **end-to-end ERP platform** for IT Asset Disposition (ITAD), managing the lifecycle of IT and electronic (ITE) waste from intake through processing, resale, and recycling.
- Building core modules for **asset intake, inventory tracking, and processing status** to give operations full visibility across the disposition pipeline.
- Implementing **compliance and audit reporting** features to support regulated e-waste handling requirements in Australia.
- Designing a **GraphQL API layer** and relational data model (Prisma/PostgreSQL) to support complex asset relationships and reporting queries.
- Collaborating directly with the client to translate operational requirements into a **scalable, maintainable platform architecture**.

React | Next.js | NestJS | GraphQL | Prisma | PostgreSQL

Freelance Full-Stack Developer | 2026

Christa Kitchen – Surabaya, ID

Christa Kitchen Management Dashboard

- Built a management dashboard for Christa Kitchen covering **stock management, financial reporting, stock reporting, and order tracking** in a single platform.
- Implemented **real-time quantity conversion** for stock consumption, automatically translating raw material usage into finished-product quantities to keep inventory accurate.
- Developed financial and stock reports giving the business **visibility into inventory levels, cost of goods, and revenue**.
- Designed an **order management workflow** to track orders from intake through fulfillment.
- Built the API layer with **NestJS and GraphQL** on a PostgreSQL database, using Prisma as the ORM.

React | Next.js | NestJS | GraphQL | Prisma | PostgreSQL

Software Developer Intern | 2024 - 2025

Cape.io – Tilburg, NL

- Built a fully integrated **in-app SVG editor** for the Template Designer, allowing users to create, edit, and manage vector assets without external tools.
- Enabled **real-time, high-performance SVG manipulation** (shapes, layers, colors, strokes) with automatic SVG recognition and conversion into the platform's internal data model, ensuring seamless workflow integration.
- Drove **scalability and maintainability** by researching vector-integration approaches, refactoring architecture, and collaborating cross-functionally with product and stakeholders to iterate on performance, usability, and feature set.

TypeScript | React | React Redux | SCSS | Material Design

RECENT PERSONAL PROJECTS

Gatera Surya Company Portfolio Website | 2026

- Designed and built a company portfolio website for Gatera Surya (gatera-surya.vercel.app), focused on presenting the company's highlights through **storytelling**.
- Structured the site's content and layout around the company's **narrative and milestones** to engage visitors and build credibility.
- **Optimized the site's SEO** for better discoverability, improving organic visibility and search performance.
- Delivered a **responsive, fast-loading experience** optimized for performance across devices.
- Deployed and hosted the site on Vercel.

TypeScript | Next.js | Tailwind CSS

Social Fitness Platform | 2025

- Built a **full-stack social fitness platform** that allows users to design custom workout programs, participate in shared train-along sessions, and track detailed training metrics such as sets and weights.
- Architected **data-efficient APIs** using pagination, caching, and optimized queries to reduce load times.
- Implemented **authentication and secure data access** to ensure user privacy while enabling controlled program sharing.
- Designed **shareable, saved URLs** for workout programs and sessions.

TypeScript | Next.js | Shadcn | React Query | React Hook Form | Google Firestore

Portfolio Website | 2025

- Designed and built a **professional portfolio website** that presents my technical expertise and projects in a clear, user-friendly way.
- Delivered a **fast, accessible, and search-optimized** experience to ensure strong performance across devices.
- Enhanced user engagement with **smooth and interactive animations** that guide visitors through the website.
- Automated the **build and deployment process** to ensure fast and reliable updates with minimal effort.

TypeScript | Next.js | Material Design | Google Firebase

EDUCATION

Fontys University of Applied Sciences | 2023 - 2025

Bachelor of Software Engineering – Eindhoven, NL

Institut Sains dan Teknologi Terpadu Surabaya | 2020 - 2025

Bachelor of Computer Science – Surabaya, ID

SKILLS

Frontend: React, Next.js, TypeScript, JavaScript, Tailwind CSS, Material UI, Shadcn

Backend: .NET, NestJS, ExpressJS, FastAPI, Laravel, SpringBoot, C#, PHP, Python, Java, REST APIs, GraphQL

State & Data: React Redux, React Query, React Hook Form, Apollo Client

Databases: MySQL, PostgreSQL, MongoDB, Firestore, Prisma

Cloud, DevOps & Infrastructure: AWS, Google Cloud, Google Firebase, Vercel, Docker, Kubernetes, RabbitMQ, CI/CD, Linux, Ansible

Testing & Observability: Jest, Cypress, Playwright, Postman, Grafana, Prometheus

Productivity & Collaboration: Git, GitHub, GitLab, Jira, Confluence

Architecture, Design & Methodologies: Material Design, SOLID Principles, Agile, Scrum

IoT: Arduino, C++

Professional Skills: Project Management, Architecture Design, Priority Planning

LANGUAGES

Indonesian (Native) | English (Professional) | Dutch (Basic)