

SEAN RICHARD D. SAKAMOTO

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PROFESSIONAL SUMMARY

Full-stack developer with hands-on experience building intelligent mobile and web applications using **React Native, Node.js, REST APIs, and Firebase**. Currently focused on **integrating generative AI** into modern applications to optimize development workflows and deliver scalable solutions.

TECHNICAL SKILLS

- **Frontend:** HTML, CSS, JavaScript, TypeScript, React, React Native, Next.js, Tailwind CSS, Bootstrap
- **Backend:** PHP, Node.js, MySQL, PostgreSQL, Firebase
- **Tools:** GitHub, Git, Figma, Expo Go

WORK EXPERIENCE

Freelance Software Developer

Jul 2026 – Aug 2026

Boundary Log

- Designed and developed a **local-first fleet operations web application** that centralized AM/PM collections, driver assignments, stock usage, expenses, and reporting, replacing manual workflows and reducing financial calculation errors.
- Engineered **offline-first functionality**, enabling core operations to remain available without a continuous internet connection.

AI & IT Programmer Intern

Nov 2025 – Mar 2026

Tailin Abrasives Corporation

- Developed an **AI-assisted presentation-to-video automation tool** that generates customizable narration scripts from PowerPoint/PDF slides and converts presentations into narrated videos; used it to produce **5 departmental orientation videos**, reducing orientation delivery time from 1–2 hours to 15–45 minutes per session (**up to 75%**).
- Designed and developed a **General Ledger web system** to replace the company's **fully manual accounting process**, automating **dual-currency (PHP/USD) bookkeeping**, journal entries, trial balance, Excel import/export, and deployed it to the company's **local server**.

PROJECTS

FitFusion360

Nov 2025 – Mar 2026

<https://seannyboyyy.github.io/FitFusion360/>

- Built an **AI-powered fitness and nutrition mobile app** featuring food vision recognition, personalized 28-day workout plans, and clinical-grade nutrition algorithms.
- Integrated **Google Gemini AI API** for real-time meal analysis and adaptive meal plan recommendations.
- Designed nutrition algorithms referencing **12+ peer-reviewed studies** for clinical accuracy and reliability.

CraveSense

Aug 2025 – Oct 2025

<https://seannyboyyy.github.io/CraveSense/>

- Developed a mobile app that suggests food based on user **mood, dietary preferences, and past selections** using a recommendation engine.
- Built an **interactive chatbot feature** for real-time food discovery and personalized suggestions.
- Integrated **TheMealDB API** for real-time food discovery with detailed recipes and embedded **video tutorials**, enhancing user engagement and providing a guided meal preparation experience.

EDUCATION

Bachelor of Science in Information Technology

2022 – 2026

Lyceum of Subic Bay