

Kyle Osunero

Full-Stack Software Engineer

Philippines (UTC+8) | +63 905 333 5501 | kyle.osunero.21@gmail.com | [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

Full-stack software engineer building school operations platforms, energy management tools, and logistics applications. Experienced in React, Next.js, TypeScript, backend integrations, and database-backed workflows. Work includes operational dashboards, geospatial interfaces, and AI-assisted data entry.

Education

Bachelor of Science in Software Engineering, Central Philippine University

- Tools:
- Git, Docker, AWS, PostgreSQL, Figma
- Frameworks:
- React (17–19), Next.js (14–15), Node.js, Tailwind CSS
- Languages:
- TypeScript, JavaScript, Python, SQL, HTML/CSS
- AI & Automation:
- OpenAI API, Codex, Claude Code, Hermes, AI-assisted development, Agent skills, MCP, RAG

EXPERIENCE

Frontend Developer II · MySchool Suite

January 2026 - April 2026

A US-based education technology company building digital tools that streamline school operations and keep school communities connected. I was part of the Iloilo City engineering team, focused on frontend architecture, operational dashboards, and maintainable UI systems.

- Architected scalable frontend systems used by administrators, faculty, and families across US schools.
- Built operational dashboards that gave administrators real-time visibility into school operations.
- Shipped accessible, maintainable UI systems and reusable component libraries across the platform.

Software Engineer I · SolX Technologies Inc.

July 2024 - November 2025

- Built a mapping interface using Google Maps, Stadia Maps, and Leaflet to visualize geospatial data, custom boundaries, and facility clusters.
- Implemented scheduled jobs to update sourcing event statuses automatically and keep data consistent.
- Designed a type-safe backend layer with Next.js Server Actions and Drizzle ORM, eliminating the need for a separate API layer.
- Developed supplier management workflows with custom selection dialogs and Yup validation.
- Developed a form system with React Hook Form and Zod, including reusable inputs for complex data models.
- Integrated AWS SES to send transactional emails using responsive React Email templates.

Tech: Next.js 15, React 19, TypeScript, Tailwind CSS v4, shadcn/ui, Leaflet, React Leaflet, PostgreSQL, Drizzle ORM, React Hook Form, Zod, Server Actions, React 17, Tailwind CSS

Software Engineer · StackTrek

August 2023 - July 2025

- Integrated OpenAI to suggest commodity and packaging types for a freight forwarding platform, reducing manual data entry for each shipment.
- Built an ID capture and verification pipeline with webcam support and OpenAI integration for an education platform.
- Developed a platform for rating and reviewing professionals using Next.js 14, TypeScript, and PostgreSQL.
- Built booking workflows for a women's health platform, including cancellations, scheduling conflict resolution, and time zone handling.
- Developed booking management workflows with status tracking and real-time comments using Next.js, Prisma, and PostgreSQL.
- Implemented registrant management workflows with dynamic course selection and batch operations.

Tech: Next.js 14, TypeScript, PostgreSQL, Prisma, Redis, BullMQ, Tailwind CSS, Lucia Auth, Zod, OpenAI API, Docker, AWS, React Router 7, Cloudflare Workers

Frontend Developer Intern · ztock®

November 2022 - March 2023

- Built the ztock mobile app using React Native.
- Contributed to backend development with GraphQL and Ruby on Rails.

Tech: React Native, GraphQL, Ruby on Rails, Apollo

AI & Automation

- Use Codex, Claude Code, and Hermes for feature implementation, debugging, refactoring, and interface refinement, with code review and automated checks to validate changes.
- Use repository instructions, reusable agent skills, and connected tools through MCP to give coding agents project context and support repeatable workflows.
- Integrated OpenAI into three production applications: logistics suggestions in FlashCargo, document scanning in Advanced, and data cleaning in MySuperCheck.

PERSONAL PROJECTS

The Weekend Harvest — Software Engineer

In development

- Building a hydroponic farm management application with responsive interfaces for crop planning, nursery tracking, water readings, and production costs.
- Developed interactive farm workflows with React, Next.js, TypeScript, and Convex, alongside a conversational AI assistant that requests approval before saving changes.

Tech: Next.js, React, TypeScript, Tailwind CSS, Convex, AI tool integration

theweekendharvest.com

KomyuniMap — Co-Founder & Full-Stack Developer

July 2026 - Present

- Co-developing a community mapping platform that connects barangay residents, vendors, and tricycle riders with local commerce and transport services.
- Built escrow-protected payments with automated payment splits among vendors, riders, and the marketplace, alongside real-time order tracking and SMS fallback for areas with limited connectivity.

Tech: Next.js, Expo, React Native, NativeWind, TypeScript, Mapbox, Convex, PostgreSQL, S2 Geospatial, SMS API

komyunimap.klosystems.com/

KLOsystems — Consultant & Full-Stack Developer

June 2026 - Present

- Built the KLO Systems studio website with a product catalog, interactive demos, and consultation workflows for local businesses.
- Developed reusable interfaces for product discovery, service inquiries, and administration using Next.js and TypeScript.

Tech: Next.js, TypeScript, Tailwind CSS, Framer Motion, shadcn/ui, Zod, Supabase, PostgreSQL, Lucide

klosystems.com