

LORENZ EDWARD ESTRERA

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3rd-year BS Computer Science student at Partido State University with hands-on experience building and deploying full-stack web applications. Focused on performance-conscious frontend development using React, GSAP, and vanilla JS — with backend exposure in Node.js, PHP, and MySQL.

EDUCATION

Partido State University - BS Computer Science 2024 - 2028
Relevant Coursework: Data Structures, Algorithms, Web Development, Object-Oriented Programming, Database Management

PROJECTS & EXPERIENCE

Personal Portfolio - Frontend Developer 2026

- Built a personal portfolio from scratch using Three.js, GSAP, and ScrollTrigger, featuring a WebGL particle background, DOM-based object shattering animations, and a custom procedural audio visualizer.
- Configured Lenis for smooth-scrolling and optimized complex animation sequencing with GSAP to maintain consistent 60fps rendering performance across devices.
- Designed and shipped the full UI independently — layout, typography, color system, and interactive states — without relying on a UI framework or template.

Your Resort Platform - Full-Stack Developer 2026

- Built a full-stack resort platform with a React frontend and Node.js/Express backend, supporting room browsing, booking flows, and a content management interface.
- Implemented RESTful API endpoints with JWT-based authentication and Redis caching for session handling and query optimization.
- Built a responsive UI with Tailwind CSS and Framer Motion, implementing mobile-first layouts and smooth page transitions.

PawCare Vet Clinic System - Full-Stack Developer 2025

- Built a veterinary management portal in PHP using a custom MVC architecture, covering client records, pet histories, and appointment scheduling.
- Designed a normalized MySQL (InnoDB) schema with foreign key constraints and indexed queries to maintain relational data integrity across three core entities.
- Shipped a vanilla JS frontend with no dependencies, keeping page weight minimal and ensuring broad browser compatibility.

KadaSplit - Full-Stack Developer 2026

- Built a modern expense-splitting web app using React 19 and Tailwind CSS, featuring global state management via Zustand and mobile-first responsive layouts.
- Integrated Supabase for backend infrastructure, utilizing PostgreSQL with Row Level Security (RLS) and serverless Edge Functions for core logic.
- Engineered an AI-powered receipt scanner and integrated Dodo Payments via webhooks to automate premium subscription tier upgrades.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python, PHP, C++, Java, HTML, CSS
Frameworks & Libraries: React, Next.js, Node.js, Express, Tailwind CSS, Vite, Framer Motion, GSAP, Three.js
Backend & Cloud: MySQL, Redis, Supabase, Vercel, Docker
Developer Tools: Git, GitHub, VS Code, Cursor
Audio Production: Logic Pro X, Ableton Live, iZotope RX/Ozone, FabFilter Suite, Melodyne, Mixing & Mastering