

Stefano San Esteban

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EDUCATION

Philippine State College of Aeronautics

Bachelor of Science in Information Technology, GWA: 1.40(96%)

Parañaque City, Metro Manila 1700

July 2025

Legazpi City Science High School

Senior High School – STEM Strand

Legazpi City

April 2020

EXPERIENCE

Front-End Developer

March 2025 – June 2025

Prosperna | *TypeScript, React, Next.js, JavaScript, HTML, CSS, SASS, AWS, Vitest* *Muntinlupa City, Metro Manila*

- Spearheaded the end-to-end front-end development of Prosperna's core AI features as the sole Front-End Developer, owning the architecture, implementation, and deployment of solutions that automated SEO and product description generation, significantly increasing merchant visibility, platform efficiency, and overall competitiveness.
- Designed and launched the AI Blog Wizard, automating topic ideation, keyword research, blog planning, and content generation reducing blog creation time from hours to minutes.
- Developed the AI-powered Product Image Editor, enabling merchants to create high-quality visuals and enhance product listings without external tools.
- Delivered production-ready generative AI features in fast-paced R&D sprints (70–80 hrs/week), collaborating cross-functionally under tight deadlines.
- Achieved 80–100% unit and integration test coverage using Jest, Vitest, and React Testing Library, ensuring stability and minimizing regressions.
- Built and maintained front-end features in a multitenant microfrontend architecture, enabling independent deployments and improving scalability across storefronts.
- Implemented CI/CD workflows via Git and AWS S3, optimizing development pipelines and accelerating release cycles.
- Performed manual QA testing to validate features across edge cases, fostering a detail-oriented and quality-first development process.

PROJECTS

SecureTrack: Luggage Tracking and Monitoring System | *JavaScript, MongoDB, Express, React, Node.js, GIS*

- Built SecureTrack, a MERN-stack capstone project solving common luggage handling and monitoring issues through IoT and GIS integration.
- Built with MongoDB, Express, React, Node.js and RESTful APIs, integrating Arduino microcontroller, sensors, and React-Leaflet for real-time luggage tracking through interactive map and notifications.
- Used TailwindCSS for responsiveness, React Router for navigation, and Uploadthing for secure file uploads.
- Enhanced passenger experience with efficient luggage tracking and issue resolution.
- Delivered on time by defining deliverables and managing resources effectively.

Chat PDsteF – AI-Powered PDF Chat Application | *NextJS, TypeScript, React, ORM, MongoDB, AWS Amplify*

- Launched Chat PDsteF, an AI-powered application that enables conversational interactions with PDF documents through intelligent chat interface.
- Architected a full-stack Next.js application with TypeScript, featuring Google Gemini AI integration, Pinecone vector database for semantic search, and MongoDB for data persistence
- Developed responsive React frontend with real-time PDF rendering, streaming AI responses, with usage tracking and authentication via NextAuth
- Implemented scalable document processing pipeline using LangChain for PDF parsing, vector embeddings for contextual retrieval, and UploadThing for secure file management
- Deployed and hosted on AWS Amplify with automated CI/CD pipeline, environment variable management, and optimized build configuration for production scalability

VibeMark – AI Logo Generator | *NextJS, PostgreSQL, Prisma, Google Gemini AI, TypeScript, React, TLDraw*

- Shipped Vibe Mark, an AI logo generator enabling users to transform rough sketches into professional logos using advanced AI technology

- Built a full-stack Next.js application with PostgreSQL database and Prisma ORM, delivering RESTful APIs for user authentication and logo generation
- Integrated Google's Gemini 2.0 Flash AI model for sketch-to-logo conversion, enabling high-quality professional logo generation from hand-drawn sketches
- Developed a responsive React frontend with TLDraw canvas integration, real-time drawing capabilities, and tiered subscription plans (Free/Plus/Pro)

Miss Nutrition Krisha – AI-Powered Nutrition Consultation Platform | *NextJS, React, TypeScript, PostgreSQL*

- Built Miss Nutrition Krisha, a comprehensive nutrition consultation platform with AI-powered chat assistant
- Engineered a full-stack booking system with automated email confirmations, Google Meet integration, and admin dashboard
- Developed an intelligent AI chatbot using Google Gemini and OpenAI for personalized nutrition guidance and lead generation
- Built a Next.js frontend with React Hook Form, Tailwind CSS, and Radix UI for seamless appointment booking and client management
- Implemented Supabase backend with PostgreSQL for client data, bookings, and chat history with automated email workflows via Resend
- Features comprehensive admin dashboard with real-time analytics, booking management, and AI conversation tracking

Get There PH – AI-Powered Metro Manila Transit Navigator | *NextJS, TypeScript, PostgreSQL, TailwindCSS*

- Created Get There PH, an AI-powered web app that provides community-sourced commute directions for Metro Manila's complex public transportation system
- Built a fully automated data pipeline that scrapes r/HowToGetTherePH subreddit posts and uses OpenAI GPT to extract structured route information
- Engineered a Next.js frontend with shadcn/ui components, real-time search functionality, and responsive design optimized for mobile commuters
- Developed a robust backend with Supabase PostgreSQL database, Reddit API integration, Vercel cron jobs, and Edge Functions for scalable AI processing

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Node.js, Python, Java, HTML, CSS

Frameworks: React, Next.js, Express.js, ReactQuery, Redux, TailwindCSS, Bootstrap, SCSS, SaSS, Leaflet, MapBox, MapTiler, Chakra UI, Shadcn UI

Developer Tools: Git, Postman, Prisma, VS Code (Visual Studio Code), Cursor, Bash, Figma

Databases/Cloud: MongoDB, MySQL, PostgreSQL, Oracle, AWS Amplify, AWS S3, Firebase, Supabase, Edge Functions(Cloud Functions), UploadThing

CERTIFICATIONS

AWS Cloud Technical Essentials: Amazon Web Services(AWS), September 2024

AWS Knowledge: Architecting: Amazon Web Services Training and Certification, December 2024

JavaScript: University of Michigan, March 2024

Developing Back-End Apps with Node.JS and Express: IBM, April 2024

Node and Express: IBM Digital Credential, April 2024

Python Course In-Depth: Horizon Tech, March 2024