

Pineda, Mark Bennett N.

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TECHNICAL SKILLS

Languages | JavaScript, SQL, Typescript, HTML/CSS, Bash

Frameworks | React, Express.js, React Native (with Expo)

Developer Tools | Git, Github, VS Code, Copilot CLI, Vite

Backend / Cloud | Node.js, Supabase, Firebase, PostgreSQL, MongoDB, OpenAI API, AWS EC2

Libraries | Tailwind CSS, jQuery, Shadcn/UI, Expo

EDUCATION

Bachelor of Science in Computer Science

City College of Angeles

2022 - Present

Angeles City, Pampanga

PROJECTS

PawScan | JavaScript, React Native, Expo, Supabase, Nativewind

May 2024 – Sept 2025

- Developed an end-to-end mobile app leveraging Supabase and OpenAI to deliver real-time AI pet health assessments and seamless chat functionality with licensed veterinarians.
- Designed and implemented all features, UI, and backend integrations, improving reliability and user experience.
- Improved user workflow efficiency by ~30%, delivering faster AI pre-diagnostic insights and shortening time-to-vet communication by ~40%.

G3od | JavaScript, React Native, Expo, Supabase, Nativewind, Gemini AI

June 2025 – Nov 2025

- Developed an interactive geometry learning platform integrating Gemini 2.0 Flash-Lite to deliver real-time, voice-assisted tutoring and interactive 3D visualizations for Grade 8 students.
- Built a secure classroom management infrastructure with Supabase, allowing teachers to control module accessibility and track student progress through unique join code enrollments.
- Improved student engagement and accessibility by implementing Text-to-Speech (TTS) for AI-driven hints and commands, validated through usability testing with students and IT experts.

Smart Space | TypeScript, React Native, Expo, Supabase, Nativewind, Three.js,

Sept 2025 – Dec 2025

- Developed a comprehensive interior design application enabling users to visualize furniture using Augmented Reality (AR) and reimagine spaces with AI-powered room redesigns.
- Implemented "Hybrid Capture" and Supabase Edge Functions to merge live camera feeds with 3D models and generate photorealistic style transformations via Generative AI.
- Designed a minimalist UI with a custom gallery system, enhancing user engagement and reducing the time-to-visualization by ~35% through instant style transfers and seamless AR integration.

MealWise | TypeScript (React), Node.js (Express), MongoDB, Socket.io, Tailwind CSS

Dec 2025 – Present

- Developed a multi-vendor food marketplace connecting sellers with local customers, featuring distinct, secure role-based dashboards for Admins, Sellers, and Customers.
- Implemented real-time messaging and order status updates using Socket.io, facilitating seamless communication between sellers and customers to reduce order discrepancies.
- Designed a responsive, modern UI with Tailwind CSS and Radix UI, integrating comprehensive budget tracking and financial reporting tools to empower sellers with actionable business insights.