Raymundo Pérez Pérez | Full Stack Developer

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SKILLS & TECHNICAL TOOLS

Programming Languages: Java, C++, JavaScript, TypeScript, Python, HTML/CSS, SQL, VBA, Dart

Technologies: Git/Github, NodeJS, ExpressJs, ReactJS, NextJS, React Native, Tailwind CSS, Maven, CI/CD pipelines, Firebase, MySQL, MongoDB, AWS, Convex, PostgreSQL, Expo, PHP, Flutter, Android Studio

Languages: Spanish (Native), English (Advanced)

EXPERIENCE

Web Developer/Exhibition of Architectural Projects *June 2024 – January 2025*

- *Designed and developed a website to showcase architectural projects, enabling the client (an architect) to professionally present their work through interactive galleries, detailed descriptions, and a responsive layout.*

Freelance *July 2024 – Present*

- *Led a team of developers using Scrum methodology to build a full stack e-commerce website for a clothing brand, implementing the frontend with React and ensuring a responsive, user-friendly interface and smooth deployment.*

Freelance — AI Emotional Support Assistant (MAIA) *June 2025 – July 2025*

- *Developed a full-stack AI assistant using Next.js, MongoDB, and OpenAI's GPT-4o with persistent thread memory and dynamic system prompts.*
- *Integrated OpenAI Assistants API with file search to deliver personalized, emotionally aware support using uploaded documents and user history.*
- *Engineered adaptive conversation flows based on EN7HEOS methodology, including structured tapping protocols, diagnostics, and token usage tracking.*

PERSONAL PROJECTS

Code Clinic *– React, JavaScript, TypeScript, Next.js, TailwindCSS, Clerk, Convex, Lemon Squeezy*

- *Developed a high-performance web-based IDE supporting 10 programming languages, with smart output handling, customizable themes, and user-focused features to boost productivity. Created a community platform for code sharing with advanced search, personal profiles, activity tracking, and a stats dashboard. Implemented flexible pricing (Free/Pro) and webhook integrations, showcasing expertise in scalable SaaS architecture and modern web technologies aimed at enhancing developer collaboration.*

Gym&Tonic *– React, JavaScript, TypeScript, Next.js, TailwindCSS, Clerk, Google Gemini, Convex*

- *Gym & Tonic is a full-stack fitness platform built with Next.js and React, featuring a responsive Tailwind + shadcn/ui design, secure Clerk authentication, and a Vapi-powered voice assistant. It uses a Gemini-based LLM to generate adaptive workout and diet plans based on user data, stored in a fast Convex database. The system dynamically adjusts plans in real time based on performance, offering a seamless, cloud-scaled experience that feels like a native app.*

ChatterBox *– React, Vite, Node.js, MongoDB, TailwindCSS, JavaScript, TypeScript*

- *Developed a responsive web app for social connection with secure authentication, real-time friend recommendations, chat with video calling, and live notifications to boost engagement. Included a customizable color palette for personalization and a secure logout system for session and data protection.*

BookEater – *React Native, Expo, MongoDB, Next.js, TypeScript, JavaScript*

- *Developed a cross-platform mobile application that functions as a social network for book enthusiasts, allowing users to write and share book reviews, publish their own books, and interact with others' posts through comments and reactions. Designed a seamless user experience by integrating modern technologies across the front-end and back-end.*

Route Optimizer – *Java, OpenStreetMap*

- *Built a route optimization tool using Java and OpenStreetMap data to plan efficient delivery paths for multiple packages, implementing Dijkstra's algorithm to calculate the shortest routes and improve logistics efficiency.*

Mobile Application for Intravenous Drip Calculation – *Flutter, Android Studio*

- *Designed and developed a mobile app to calculate intravenous drip rates using either macrodrip (Normogotero) or microdrip (Microgotero) systems, supporting healthcare professionals with accurate dosing based on volume, time, and drop factor inputs.*

Interactive Mobile application for mathematical fundamentals – *Flutter, Android Studio*

- *Developed an interactive mobile app designed to reinforce mathematical knowledge through structured levels (Basic, Intermediate, Advanced), featuring gamified exercises, step-by-step explanations, and progress tracking to enhance user engagement and learning outcomes.*

Global Weather Forecast App – React, JavaScript, OpenWeatherMap API

- *Built a dynamic and visually appealing weather application that allows users to check real-time weather conditions for any location worldwide. Integrated the OpenWeatherMap API to fetch accurate data, including temperature, humidity, and weather descriptions, while ensuring a responsive and intuitive user interface for an enhanced user experience.*

Custom QR Code Generator – *React, JavaScript*

- *Developed a web application that generates customizable QR codes from user-provided URLs using a React library called QRGenerator. Implemented features for adjusting color, size, and design elements to enhance usability and branding. Ensured a responsive and user-friendly interface for seamless QR code creation across devices.*

VOLUNTEERING

University La Salle Oaxaca *December 2024 - Present*

- *Taught children the basics of programming using OOP concepts through interactive lessons, sparking their interest in technology and logical thinking.*
- *Collaborated with engineering students from a Chilean university in a COIL project, guiding them in developing an infrastructure-related project through interdisciplinary teamwork and international coordination.*

NASA Code Challenge *October 2024*

- *Developed a first-person video game focused on solar system exploration, combining Unreal Engine 5's graphical capabilities with a pixel art aesthetic to create an engaging educational experience introducing astronomy concepts in an interactive format.*
- *Designed an inclusive learning platform by integrating culturally relevant materials and user-friendly interfaces, bridging digital literacy gaps and encouraging broader engagement in STEM fields.*
- *Taught a foundational web development course to students passionate about the subject, covering essential concepts and practical skills to build their first websites and spark continued interest in the field.*

Electrorally- Arduino IDE, ESP32, DFRobot LTR390, React, Node.js, MongoDB, JavaScript, Vite *May 2025*

- *Participated in an ElectroRally competition where we developed a low-cost UV-Vis spectrophotometer using a DFRobot LTR390 sensor and a Wemos ESP32 Wroom-32 microcontroller on a protoboard. Programmed the microcontroller and sensor using Arduino IDE.*
- *Built a full-stack web application from scratch to receive, store, and visualize the sensor data in real time via Wi-Fi. Designed the backend to store data in MongoDB and developed a dynamic frontend using React, Node.js, Vite, and JavaScript to render three real-time charts displaying fluctuations in UV rays and ambient light.*
- *Achieved 2nd place in the competition for innovation, technical implementation, and data visualization.*

EDUCATION

University La Salle Oaxaca *Expected Graduation July 2027*

Bachelor of Science in Software Engineering