

Raymundo Pérez Pérez | Full Stack Developer

perez_prz_ray@hotmail.com • https://github.com/Ray2752_ • www.linkedin.com/in/raymundo-perez/

SKILLS & TECHNICAL TOOLS

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

Technologies: Git/Github, Node, 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.

Electrally- 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 proto board. 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