

LUIS MARTINEZ

Full Stack Developer

DETAILS

ADDRESS

Santo Domingo
Dominican Republic

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PROFILE

Dynamic Full-Stack Developer with 5 years of experience delivering innovative solutions across web and mobile applications. Expertise in enhancing user experiences through robust feature implementation and bug resolution, utilizing technologies such as Node.js, Python, React Native (Expo), React, and Vue.js. Committed to transforming complex challenges into seamless, scalable interfaces that foster collaboration among remote teams. Passionate about leveraging AI and Web3 technologies to create impactful digital experiences that resonate with users.

LINKS

[Linkedin](#)

[Github](#)

SKILLS

Node.js

ReactJS / React Native / Expo

TypeScript

NextJS

JavaScript

Git

CSS

GraphQL

HTML5

Tailwind CSS

CSS3

EMPLOYMENT HISTORY

Frontend, Media Revolutions

Nov 2020 — Oct 2021

Developed and implemented new features for EWallet application utilizing Next.js within a monorepo architecture. Resolved complex bugs to enhance application performance and user experience. Collaborated with cross-functional teams to ensure seamless integration of features and maintain code quality.

Software Developer, Torre.co

Apr 2022 — Aug 2022

Developed and enhanced features for the Torre platform using Vue.js and Nuxt, improving overall user experience. Resolved bugs and performance issues, ensuring platform stability and reliability for users. Collaborated with cross-functional teams to gather requirements and deliver effective technical solutions.

Full-Stack Engineer, Newfold Digital (Newtech)

Nov 2021 — Present

E-Commerce Platform Support (Newfold Digital): Maintained and enhanced multi-marketplace e-commerce integrations (eBay, Amazon) for Ecomdash, handling complex order processing, inventory management, and third-party API integrations for businesses of all sizes.

Socket.io

Express.js

Python

VueJs

MongoDB

PostgreSQL

Sqlite

LANGUAGES

Spanish

English

French

Micro-Frontend Architecture: Built on top of scalable micro frontends for 50+ brands using Material UI and Tailwind CSS, ensuring brand consistency while reducing load times.

AI-Powered Website Builder Platform: Developed a conversational AI business builder with multi-agent orchestration (Domain, Website, Brand agents) enabling users to create complete web presences through natural language. Built micro-frontend architecture with React 19 ESM modules and real-time WebSocket preview updates.

AI-Driven Onboarding System: Developed an intuitive AI-powered onboarding process that reduced user drop-offs by 15% and cut onboarding time by 60%.

AI-Powered Virtual Assistant Platform: Built **NewfoldGPT**, a reusable micro-frontend AI framework with 4 specialized models (coding, reasoning, everyday tasks) deployed across Finance, Development, and Support teams. Its extensible design enabled organization-wide adoption through simple integration, keeping all company data secure with UJWT authentication.

AI Voice Agent Backend System: Built a production-ready FastAPI backend with PostgreSQL 16 to manage AI-powered voice conversations, processing real-time metrics, tool calls, and LLM usage tracking. Implemented secure webhook authentication with HMAC-SHA256 validation and automated data retention policies that maintain 90+ days of time-series analytics. The layered architecture with dependency injection enables seamless scaling and deployment across development, UAT, and production environments with OCI Vault integration for enterprise security.

EDUCATION

Software development technologist, ITLA

Santo Domingo

Oct 2019 — Oct 2022

English Inmersion Program, UASD

Santo Domingo

Jan 2016 — Dec 2016

REFERENCES

Ing. Raúl Luna

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DETAILS

Contact Information

Santo Domingo

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PROYECTOS

Santa Biblia RV60+Audio

Developed a comprehensive cross-platform mobile Bible study application using **React Native** and **Expo**, available on Google Play. Implemented advanced features including:

AI-powered Bible guide with Google Generative AI for intelligent scripture exploration

Offline-first architecture using SQLite databases for seamless access to multiple Bible translations

Advanced study tools: concordance, Strong's word references, commentary, dictionary, and timeline visualizations

Interactive learning modules: scripture memorization games, quizzes, and progress tracking

Rich content creation: custom note-taking with Lexical rich text editor, highlighting, and bookmarking system

Multimedia features: hymn library, audio playback, text-to-speech, and quote image generator

State management with Legend State for optimized performance and cloud synchronization

Custom UI components with TailwindCSS, animations, and gesture-based interactions

Tech Stack: React Native, Expo, TypeScript, SQLite, Google Generative AI, Lexical, Reanimated, PocketBase backend

[Santa Biblia RV60+Audio](#)

Real-Time Multiplayer Connect Four

Developed a Connect Four-style web game with real-time multiplayer using Socket.IO and integrated voice chat via WebRTC/PeerJS. Features room-based matchmaking, turn synchronization, and a PWA-ready architecture for cross-device play.