José Pazmiño Fiallos

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Full-Stack Developer, passionate about programming and self-learning. I specialize in designing robust, interactive, scalable, and unique applications using modern technologies such as React, Next.js, Astro, Tailwind, NodeJS, and NestJS.

PROFESSIONAL EXPERIENCE

HOUSE OF CULTURE – TUNGURAHUA BRANCH · Ambato, Ecuador
Intern - (Flutter) · *Apr 2023 – Aug 2023*

- Development of a mobile application for the Tungurahua Cultural Center, designed to offer a visual experience of the most outstanding paintings and provide access to the cultural agenda of events.

ESCUELA INTERNACIONAL PARA PROGRAMADORES ENCUBA S.C · Ibarra, Ecuador
Intern - (NestJS, Angular, MySQL, Git, GitHub actions) · *Aug 2023 – Nov 2023*

- Member of the backend development team of a customized school management system for the "Instituto Superior Universitario ITCA".
- Set up CI/CD practices on Linux servers to optimize integration and continuous deployment processes.
- Defined the error handling model and standardized response structure for the application.
- Developed the authentication and authorization system using JWT, with role-based access control.

INTERNATIONAL SCHOOL FOR PROGRAMMERS ENCUBA S.C · Ibarra, Ecuador
Full-Stack Developer - (NestJS, Angular, MySQL, Git, GitHub actions) · *Jul 2024–Nov 2024*

- Member of the frontend and backend development team of a customized school system for the "Instituto Superior Universitario ITCA".
- Development of customized reports in PDF and Excel, with support for advanced filters and dynamic formats.
- Construction of an image upload management module for cloud storage services.
- Design and implementation of a user interface for the generation of dynamic reports, with customized validations according to the type of data and user configurable options.

WAYRA BUSINESS · Orellana, Ecuador
Full-Stack Developer - (NestJS, React, PostgreSQL, Git, Microservices, Docker) · *Dec 2024–Present*

- Configuration of CI/CD practices on Linux servers, optimizing the process of continuous software delivery and deployment.
- Design and implementation of an architecture based on microservices, facilitating the scalability and maintenance of the system.
- Development of the authentication and authorization system based on JWT and Refresh Tokens, with role-based access control.
- Application of a clean architecture approach, promoting a clear separation of responsibilities and improving code maintainability.
- Definición y estandarización del modelo de manejo de errores y estructura de respuestas en la API y en la interfaz web.

EDUCATION

UNIVERSIDAD TÉCNICA DE AMBATO   **Ambato, Ecuador**
Software Engineer   *Aug 2024*

CERTIFICATES

CSEI 2021   **Ambato, Ecuador**
III Conference on Computer Science, Electronics and Industrial Engineering (CSE12021)   *Oct 2021*

CSEI 2022   **Ambato, Ecuador**
IV Conference on Computer Science, Electronics and Industrial Engineering (CSE12022)   *Nov 2022*

GOOGLE STUDY CONFERENCE   **Ambato, Ecuador**
Inspiring Study Conference With Google   *Oct 2022*

CSEI 2023   **Ambato, Ecuador**
V Conference on Computer Science, Electronics and Industrial Engineering (CSE12023)   *Nov 2023*

PROJECTS

PORTFOLIO: portfolio-web

NPM PACKAGE "nestjs-node-onesignal"

- **Description:** Wrapper to integrate OneSignal with NestJS applications. This package simplifies sending push notifications, emails and SMS using the official OneSignal API (@onesignal/node-onesignal). Includes an intuitive builder that makes it easy to create custom notifications.
- **Technologies:** NestJS, TS, NodeJS.
- **Role:** Package maintainer.

COMMUNITY ALARM SYSTEM

- **Description:** "Vivo Vivo" alarm system, a comprehensive security solution that offers real-time monitoring for people at risk, management of family groups, an administrative system with detailed crime reports, geospatial analysis through heat maps to optimize the deployment of resources and a specialized application for surveillance entities, improving coordination and decision making in emergency situations.
- **Technologies:** NestJS 10, TS, NodeJS, PostgreSQL, Sockets, React 18, TailwindCSS, Push Notification, Real Time Location, Power BI.
- **Role:** Backed, Frontend, DB.

APLICACIÓN MÓVIL DE GALERIA VIRTUAL

- **Description:** Virtual gallery for the Casa de la Cultura Tungurahua, designed to exhibit its art collection in an interactive and accessible way. It has a QR scanner function that allows visitors to easily locate and explore specific works and the integration of the radio of the house of culture
- **Technologies:** Flutter, Dart, Material design
- **Role:** Frontend.

LEADERSHIP AND ACTIVITIES

IEEE "UNIVERSIDAD TÉCNICA DE AMBATO"   **Ambato, Ecuador**
                                                            Dec 2022 – 2023
- Founding member.
- Impartir clases de programación básica a estudiantes de nivelación
- Manage social events related to technology

CONCURSO INTERUNIVERSITARIO MULTI ACADÉMICO (CIMA)   **Ambato, Ecuador**
                                                            Dec 2022
- Second place.
- Leading work groups.
- Academic Recognition of the "Universidad Técnica de Ambato".

TORNEO UNIVERSITARIO de APPs (Tu App)   **Ambato, Ecuador**
                                                            Jul 2023
- Finalist of the contest.
- Leading work groups.

SKILLS ADICIONALES

- **Programming:** React, NextJS, Astro, Angular, PostgreSQL, MySQL, Git, NestJS, Flutter, Laravel.
- **Programming Languages:** Javascript, Typescript, Java, C#, Python, Dart, Php.
- **Languages:** Native in Spanish. Medium in English.
- **Interests:** Video Games, Martial Arts, Music.