

# Carlos Jhesid Lazo Nina

## Junior Full-Stack Developer

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*Motivated Junior Full-Stack Developer with practical experience in building and maintaining efficient web applications. Proven ability to design and implement solutions using **React, Node.js, PHP, and modern frameworks**. Seeking a challenging role where I can contribute to a dynamic team and leverage technology to drive societal progress.*

## EDUCATION

Universidad Mayor de San Andrés  
Petroleum Engineering

La Paz, Bolivia  
Graduated 2024

## TECHNICAL SKILLS

**Frontend:** React, JavaScript, TypeScript, HTML5, CSS3, Material UI, Next.js, Redux, Flux, **Tailwind CSS**

**Backend:** Node.js, Express, **PHP**, **Laravel**, REST APIs

**Databases:** PostgreSQL, MySQL

**Tools & Platforms:** Axios, Git, GitLab, **Docker**, **n8n**, Dbeaver, Postman, Webpack

**Methodologies:** Agile (Scrum)

**Concepts:** Full-Stack Development, APIs, Client-side Performance, Project Documentation, Code Reviews, AI/LLMs (Prompt Engineering, RAG)

## LANGUAGES

- **Spanish:** Native
- **English:** Full Professional Proficiency (CBA Certified, C2 Level)

## WORK EXPERIENCE

### Software Development and Architecture Consultant

La Paz, Bolivia

*AGETIC (Agencia de Gobierno Electrónico y Tecnologías de Información y Comunicación) September 2023 - December 2023*

- Led development and maintenance of **full-stack software systems** and services for e-Government projects, ensuring high performance and reliability.
- Collaborated with cross-functional teams to define technical specifications and integrate solutions, adhering to established policies and standards for IT system development and documentation.
- Contributed to the implementation of e-Government tools, streamlining bureaucratic processes and enhancing public administration efficiency.

### Software Development and Architecture Intern

La Paz, Bolivia

*AGETIC (Agencia de Gobierno Electrónico y Tecnologías de Información y Comunicación) March 2023 - August 2023*

- Developed and deployed a fully functional news portal with features for content viewing, registration, and management, using **React, Node.js, NestJS, and PostgreSQL** in a team environment.
- Created an efficient vehicle registration system, developing **both front-end and back-end services** for comprehensive user and vehicle management with **React, Node.js, NestJS, and PostgreSQL**.
- Built and optimized **frontend modules** for an attendance tracking system, improving staff schedule and attendance management using **Next.js and TypeScript**.
- Actively participated in **code reviews and technical discussions**, contributing to high-quality code and effective teamwork.

## PROJECTS

### Human Resources System (Capibara)

*Next.js, NestJS, TypeORM, JWT, PostgreSQL, Docker, Python*

- **Description:** Developed a comprehensive full-stack solution for personnel management, including attendance, absence, and reporting modules.
- **Frontend:** Designed and implemented a user-friendly interface with **Next.js** and **Material UI** for seamless interaction and efficient system adoption.
- **Backend:** Implemented secure data management using **NestJS, Spring Security, and JWT**. Integrated with biometric devices via **Python** endpoints communicating securely through encryption.
- **Deployment & Tools:** Leveraged **Docker** for containerization and used **EJS** for dynamic report generation.
- **Results:** Automated key HR processes, ensuring scalability, security, and seamless biometric integration, improving decision-making and operational efficiency.

## News Portal

*React, Node.js, NestJS, TypeScript, PostgreSQL*

- Developed a responsive user interface using **React** and **Material UI**. Implemented **Node.js** and **NestJS** for CRUD services, **reducing server response time by 15%**. Successfully created a functional news portal, improving the end-user experience in querying and managing content.

## Vehicle Registration System

*React, Node.js, NestJS, TypeScript, PostgreSQL*

- Designed and implemented a user interface with **React** and **Redux** for vehicle registration, focusing on user accessibility and efficiency. Developed backend controllers and CRUD services with **Node.js** and **NestJS** for managing users and vehicles, **reducing data retrieval time by 10%**. Deployed an efficient registration system, allowing comprehensive management of users and vehicles.

## Attendance Control System (Frontend)

*Next.js, React, TypeScript, HTML5, CSS3*

- Developed multiple modules for managing attendance and schedules using **Next.js**, **React** and **TypeScript**, including managerial attendance trays, advanced employee search, and schedule creation. Optimized schedule management and personnel attendance control, facilitating search and registration of information at the managerial level.

## Machine Learning-Based Fuel Adulteration Detection System

*Python, Scikit-learn, Pandas, Data Analysis*

- Developed a machine learning system to identify gasoline adulteration by analyzing chemical and physical properties, ensuring fuel quality in the Bolivian market. Utilized **Python** with libraries such as **Scikit-learn** and **Pandas** for data processing, model training, and analysis. Implemented an effective predictive model that enhanced quality control measures for national fuel distribution.

## SUPPLEMENTARY EDUCATION

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- **RESPONSIVE WEB DESIGN** - FREECODECAMP - OCT, 2021 - 300 academic hours
- **WEB DEVELOPMENT WITH JAVASCRIPT FROM SCRATCH** - UDEMY - MAY, 2021 - 18 academic hours