Sergio Gonzalo Loza Villarroel

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Experience

Fullstack Developer   **PJSW**   Oct 2025 - Present

- Built a multi-tenant POS platform for clients using **React** and **Hono**, led the implementation of **Swagger**-generated APIs, and fostered a robust testing culture adopted across multiple company projects.
- Set up production and testing infrastructure for company's projects in **AWS** with monitoring using **CloudWatch** agents.
- Implemented secure authentication across company products using **OpenID Connect** (OIDC), managing and configuring **Keycloak** for centralized login, access control, and identity management.
- Integrated electronic invoicing and payment processing into a school management system **(.NET Framework)**, supporting student enrollment and fee collection with thorough automated testing using Selenium and NUnit.
- Contributed to strong **teamwork** by guiding peers through code reviews and constructive feedback, improving code quality and overall team efficiency.

Fullstack Developer   **Ing. Cinavar y Consultora**   Oct 2023 - Oct 2024

- Developed a vehicle inspection system in **React** and **Express** for hydrocarbon transport in collaboration with safety inspectors, deployed for YPFB, **Bolivia's largest energy company**.
- Facilitated system adoption at all YPFB fuel plants **across Bolivia** by delivering engineering guidance, creating detailed user documentation, and troubleshooting production issues.
- Automated key company processes including inspector reports and alert systems, significantly reducing manual workload and improving operational efficiency.
- Managed and automated deployment pipelines on **Linux** servers using **GitHub Actions**, and maintained **SQL Server** database backups to ensure system reliability and uptime.

Front-end Developer (Internship)   **SoyYo Digital**   Mar 2023 - Oct 2023

- Redesigned and developed an interface for a digital card system with **React**.
- Developed an administrative panel for business operations, with functionalities for user management, accounts, sales, statistics, and membership administration.
- Designed and developed the company's landing page in **Angular.**

Skills and Tools

Programming languages: TypeScript · Python · C# · SQL · JavaScript ES6 · Elixir · HTML · CSS · VBA ·
Frameworks and libraries: React · Express · Node.js · .NET · ESLint · Jest/Cypress · Playwright · Cypress
Tools: Linux · Git · PostgreSQL · CI/CD· Docker · Github Actions · AWS · SPAs ·REST APIs.
Certificates & Courses: Huawei HCIA Cloud Service
Languages: Spanish · Advanced English (C2).

Education

Universidad Privada de Santa Cruz de la Sierra   Bolivia, Santa Cruz
Bachelo's degree in Computer Science   Feb 2020 – Aug 2025

Rainier High School   Washington, EE.UU
Student exchange   Aug 2018 – Jun 2019

Academic Achievements

- **Qualified for Bolivia's national ICPC contest in Tarija (Nov 2024)**   Bolivia, Tarija
- **Representative of Bolivia in Huawei's Seeds for the Future (Aug 2024)**   El Salvador, San Salvador
- **Silver Medal, XV UPSAMAT Mathematics Olympiad, UPSA (Sep 2019)**   Bolivia, Santa Cruz