Sergio Gonzalo Loza Villarroel

Bolivia, Santa Cruz • 3 YOE • LinkedIn • sergiolozav@gmail.com • (+591) 75034784

Experience

Fullstack Developer   **PJSW**   Oct 2025 - Present

- Built a multi-tenant POS platform with **React** and **Hono**, and introduced **OpenAPI** backend services with autogenerated frontend client, along with a testing setup adopted in the rest of the company's projects.
- Set up production and QA infrastructure in **AWS** using **CDK**, with monitoring through **CloudWatch** agents.
- Implemented secure authentication across products using **OpenID Connect (OIDC)**, managing and configuring **Keycloak** for centralized login, access control, and identity management.
- Integrated electronic invoicing and payment processing to a school management system in **C# (.NET Framework)**, supporting student enrollment and fee collection, with automated tests 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, with **Playwright** end-to-end tests, and deployed it at **YPFB**, Bolivia's largest energy company.
- Helped roll out the system adoption to all YPFB fuel plants **across Bolivia** by providing engineering support, writing user guides, and implementing user feedback.
- Automated processes such as inspector reports and alert notifications using **AWS SNS**, reducing manual work and improving efficiency.
- Set up and automated deployment pipelines on **Linux** servers with **GitHub Actions**, and automated **SQL Server** backups to ensure consistency and quick recovery.

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

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

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 · Elixir & OTP by PragmaticStudio · Python Algorithmic Thinking Coursera
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