

Sergio Loza Villarroel

Santa Cruz, Bolivia • 3 YOE • [Portfolio](#) • sergiolozav@gmail.com • (+591) 75034784

Skills

Programming languages: TypeScript · JavaScript/HTML/CSS · C# · Python · SQL · Elixir
Frameworks and libraries: React · Express · NestJS · Next.js · Node.js · .NET · Vitest · Playwright
Tools: Linux · Git · PostgreSQL · Docker · Github Actions · AWS · REST APIs · CI/CD
Languages: Spanish · English C1 (Full Professional Proficiency - TOEFL 105)
Certificates & Courses: AWS AI Practitioner · Huawei HCIA Cloud Service · Oracle OCI Foundations Architect · Elixir & OTP by PragmaticStudio

Experience

Fullstack Developer PJSW Oct 2024 - Present

- Developed a full-stack loan management system (**React MUI**, **Node.js**, **PostgreSQL**), featuring a custom double-entry financial engine with 90% test coverage (Vitest/Playwright).
- Built POS platform with **React** and **NestJS** backend, implementing a query syntax parser for advanced filters.
- Provisioned **AWS** infrastructure via **CDK** (EC2, S3, RDS, KMS) for production servers, using CloudWatch for monitoring.
- Optimized **NX** Monorepo pipelines in **GitHub Actions**, successfully reducing CI execution time by 20%.
- Implemented **OIDC/Keycloak** authentication across all company services to ensure enterprise-grade security.
- Integrated electronic invoicing to a legacy **.NET** school management system and developed a custom visual document editor (WYSIWYG) to automate the generation of regulatory forms for students.

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

- Developed a **React**, **SQLServer**, and **Express** REST APIs vehicle inspection system for YPFB (Bolivia’s largest energy company), currently processing 150+ daily inspections across different fuel plants throughout Bolivia.
- Automated workflows using **AWS SES** to send Excel reports and alarms, eliminating manual data entry and reducing generation time from hours to seconds.
- Built **CI/CD** pipelines via **GitHub Actions** for automated deployments and **SQL Server** backups, ensuring zero-downtime releases and quick recovery time.

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

- Redesigned and developed a **React** personal digital card editor, improving user retention and implementing **ARIA** standards for accessibility compliance.
- Developed an internal admin panel using **React** to handle user management, account statistics, and membership administration for the sales team.

Front-end Developer (Internship) Transformación Digital Jun 2022 - Dec 2022

- Developed a **Flutter** mobile app for ticket reservation, enabling users to reserve, view, and manage business tickets, and successfully published it to Google Play Store.

Education

Universidad Privada de Santa Cruz de la Sierra	Santa Cruz, Bolivia
Bachelor’s degree in Computer Science	Feb 2020 – Aug 2025
Rainier High School	Washington, USA
Student exchange - GPA 3.6	Aug 2018 – Jun 2019

Academic Achievements

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