

Sergio Gonzalo Loza Villarroel

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Experience

Fullstack Developer	PJSW	Oct 2024 - Present
<ul style="list-style-type: none">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
<ul style="list-style-type: none">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
<ul style="list-style-type: none">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

Bachelo's degree in Computer Science

Bolivia, Santa Cruz

Feb 2020 – Aug 2025

Rainier High School

Student exchange

Washington, EE.UU

Aug 2018 – Jun 2019

Academic Achievements

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

Bolivia, Tarija

El Salvador, San Salvador

Bolivia, Santa Cruz