

Sergio Gonzalo Loza Villarroel

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Experience

Fullstack Developer	PJSW	Oct 2025 - Present
<ul style="list-style-type: none">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
<ul style="list-style-type: none">Delivered a complete 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
<ul style="list-style-type: none">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
Bachelor'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)	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