

Sergio Gonzalo Loza Villarroel

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

Experience

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| Fullstack Developer | PJSW | Oct 2024 - Present |
| <ul style="list-style-type: none">Built a multi-tenant POS platform with React and Hono, utilizing OpenAPI to auto-generate clients, including e2e testing with Playwright and leveraging AI-assisted development to speed up feature delivery.Provisioned production and QA infrastructure on AWS through CDK, including EC2, S3 buckets, KMS, and databases (PostgreSQL), utilizing CloudWatch for monitoring.Implemented OIDC/Keycloak authentication, centralizing secure identity management with SSO through all the developed applications.Integrated electronic invoicing and payment processing to a school management system in C# (.NET Framework), with automated tests using Selenium and NUnit. | | |
| Fullstack Developer | Ing. Cinavar y Consultora | Oct 2023 - Oct 2024 |
| <ul style="list-style-type: none">Developed a vehicle inspection system for YPFB (Bolivia's largest energy company), currently processing 150+ daily inspections across the hydrocarbon transport network.Automated inspector reporting and alarm workflows using AWS SNS, eliminating manual data entry and reducing report generation times from hours to seconds.Built CI/CD pipelines with 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 |
| <ul style="list-style-type: none">Redesigned the digital business card presentation and edition in React, implementing ARIA standards to increase accessibility compliance.Developed the internal admin panel, with functionalities for user management, account management, statistics, and membership administration for the sales team. | | |
| Front-end Developer (Internship) | Transformación Digital | Jun 2022 - Dec 2022 |
| <ul style="list-style-type: none">Designed, developed the UI for a mobile application in Flutter, and successfully published it to Google Play | | |

Skills and Tools

Programming languages: TypeScript · JavaScript/HTML/CSS · C# · Python · SQL · Elixir

Frameworks and libraries: React · Express · Node.js · .NET · ESLint · Jest/Cypress · Playwright

Tools: Linux · Git · PostgreSQL · CI/CD · Docker · Github Actions · AWS · REST APIs

Certificates & Courses: AWS AI Practitioner · Huawei HCIA Cloud Service · Oracle OCI Foundations Architect · Elixir & OTP by PragmaticStudio

Languages: Spanish · English C1 (Full Professional Proficiency - TOEFL 105) .

Education

Universidad Privada de Santa Cruz de la Sierra

Bachelor's degree in Computer Science

Rainier High School

Student exchange - GPA 3.6

Santa Cruz, Bolivia

Feb 2020 – Aug 2025

Washington, USA

Aug 2018 – Jun 2019

Academic Achievements

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| • 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 |