

# Sergio Gonzalo Loza Villarroel

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## Experience

<b>Fullstack Developer</b>	<b>PJSW</b>	Oct 2024 - Present
<ul style="list-style-type: none"><li>Built a multi-tenant POS platform with <b>React</b> and <b>Hono</b>, utilizing <b>OpenAPI</b> to auto-generate clients, including e2e testing with <b>Playwright</b> and leveraging AI-assisted development to speed up feature delivery.</li><li>Provisioned production and QA infrastructure on <b>AWS</b> through <b>CDK</b>, including EC2, S3 buckets, KMS, and databases (PostgreSQL), utilizing CloudWatch for monitoring.</li><li>Implemented <b>OIDC/Keycloak</b> authentication, centralizing secure identity management with SSO through all the developed applications.</li><li>Integrated electronic invoicing and payment processing to a school management system in <b>C# (.NET Framework)</b>, with automated tests using <b>Selenium</b> and <b>NUnit</b>.</li></ul>		
<b>Fullstack Developer</b>	<b>Ing. Cinavar y Consultora</b>	Oct 2023 - Oct 2024
<ul style="list-style-type: none"><li>Developed a vehicle inspection system for <b>YPFB</b> (Bolivia's largest energy company), currently processing 150+ daily inspections across the hydrocarbon transport network.</li><li>Automated inspector reporting and alarm workflows using <b>AWS SNS</b>, eliminating manual data entry and reducing report generation times from hours to seconds.</li><li>Built CI/CD pipelines with <b>GitHub Actions</b>, for automated deployments and <b>SQL Server</b> backups, ensuring zero-downtime releases and quick recovery time.</li></ul>		

<b>Front-end Developer (Internship)</b>	<b>SoyYo Digital</b>	Mar 2023 - Oct 2023
<ul style="list-style-type: none"><li>Redesigned the digital business card presentation and edition in <b>React</b>, implementing <b>ARIA</b> standards to increase accessibility compliance.</li><li>Developed the internal admin panel, with functionalities for user management, account management, statistics, and membership administration for the sales team.</li></ul>		

<b>Front-end Developer (Internship)</b>	<b>Transformación Digital</b>	Jun 2022 - Dec 2022
<ul style="list-style-type: none"><li>Designed, developed the UI for a mobile application in <b>Flutter</b>, and successfully published it to Google Play</li></ul>		

## 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

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

## Academic Achievements

<ul style="list-style-type: none"><li>Qualified for Bolivia's national ICPC contest in Tarija (Nov 2024)</li><li>Representative of Bolivia in Huawei's Seeds for the Future (Aug 2024)</li><li>Silver Medal, XV UPSAMAT Mathematics Olympiad, UPSA (Sep 2019)</li></ul>	Tarija, Bolivia
	San Salvador, El Salvador
	Santa Cruz, Bolivia