

Galileo Sanchez

Lead Backend Engineer

Remote, from Asunción, Paraguay

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About

Lead Backend Engineer with 10+ years of experience specializing in CI/CD automation, and rapid iteration cycles. Building robust CI/CD pipelines with 10-minute deployments, and refactoring legacy systems into scalable microservices. Thrives in environments with clear goals, fast feedback loops, and collaborative problem-solving.

Work Experience

Glui – *U.S.-based global startup*

Lead Technologist

Feb 2025–Present

Remote, from Asunción, Paraguay

- **Oversaw** Event capturing system and load test plan with K6 to validate 80M requests/day capacity
- **Created** Test helper SDK to speed up test case development

Lead Backend Engineer

Oct 2024–Feb 2025

Remote, from Asunción, Paraguay

- **Created** NestJS microservices for backend campaign management system
- **Set up** Keycloak authentication with NestJS RBAC service

Software Engineer

May 2024–Sep 2024

Remote, from Asunción, Paraguay

- **Built** CI/CD pipeline with GitHub Actions, Docker, and Cycle.io for 10-minute deployments
- **Developed** containerized NestJS applications

Clipboard Health – *U.S.-based global startup*

Senior Software Engineer

Dec 2022–Nov 2023

Remote, from Asunción, Paraguay

- **Fixed** notification system for healthcare worker updates
- **Implemented** testing frameworks and performance monitoring with K6

Software Development Engineer

Nov 2021–Feb 2023

Remote, from Asunción, Paraguay

- **Separated** frontend from monolithic app into React repository. With 0 downtime for over 100 collaborators
- **Fixed** invoicing system bugs in backoffice systems

Jijo – U.S.-based global startup

Software Engineer

2021

Remote, from Asunción, Paraguay

- **Built** Stripe payment integration with booking interface and Redux state management
- **Created** Chime SDK conference studio for live training sessions

National Computing Center

Full Stack Software Engineer

2018–2020

Remote, from Asunción, Paraguay

- **Built** React platform for employee clock-in/out and leave requests for 500+ employees
- **Managed** complete development from start to deployment

Trivellini Tech

Software Engineer

2017–2018

Remote, from Asunción, Paraguay

- **Developed** real-time C++/Qt frontend for surgical devices using Qt Signals for responsive monitoring systems
- **Collaborated** directly with hardware engineers to optimize device responsiveness and establish clear communication protocols
- **Thrived** in flexible, results-oriented environment with organic scheduling and collaborative problem-solving

Freelancer

Full Stack Engineer

2014–2017

Remote, from Asunción, Paraguay

- **Built** Angular/Django HR system for career planning with clear client requirements and iterative feedback
- **Developed** Electron/React Shopify integration for automated label processing, solving specific client workflow challenges

Education

National University of Asunción

Software Engineering

2009–2013

- Completed CS-related curricula, excluding advanced mathematics. Studied software development, algorithms, and database systems for robust backend solutions.

Core Strengths

- **Performance Optimization & Debugging:** Expertise in K6 load testing, bottleneck analysis, and live system debugging
- **CI/CD Pipeline Design:** Building fast, reliable deployment systems with Docker, GitHub Actions, and automated testing
- **System Refactoring:** Transforming legacy codebases into composable, maintainable architectures

- **Rapid Prototyping:** Bias for action approach to problem-solving with iterative improvement cycles
- **Cross-functional Collaboration:** Working effectively with product owners, PMs, and domain experts to define clear success criteria

Technical Skills

Performance & Optimization: K6 Load Testing, System Debugging, Performance Analysis, Bottleneck Identification

Backend Development: TypeScript, Node.js, NestJS, Event-Driven Architecture, Microservices

DevOps & CI/CD: Docker, GitHub Actions, Terraform, AWS ECS, Pipeline Optimization

Databases: PostgreSQL, ClickHouse, Aurora RDS

Frontend: React, Next.js, Qt/C++

Cloud & Infrastructure: AWS, SQS/EventBridge, Datadog

Integration: Stripe, Keycloak