Galileo Sanchez

Lead Backend Engineer

Remote, from Asunción, Paraguay

galileo@galileopy.com.py • cv.galileopy.com.py

github.com/galileopy • linkedin.com/in/galileopy

About

Lead Backend Engineer with 10+ years of experience specializing in performance optimization, 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

- **Architected** Event capturing system and K6 testing framework, validating system capacity for 80M requests/day scalability
- **Pioneered** CI/CD optimization initiatives, designing custom test-context SDK and scenario helpers that accelerated development cycles
- **Streamlined** container image build processes and deployment pipelines, focusing on feedback loop optimization for development velocity

Lead Backend Engineer Oct 2024–Feb 2025

Remote, from Asunción, Paraguay

- **Engineered** complete CI/CD pipeline using GitHub Actions, Docker, and Cycle.io, achieving 10-minute deployment cycles from merge to production, with reliable testing
- **Designed** scalable NestJS microservices architecture for marketplace backend, emphasizing modularity and performance
- **Implemented** Keycloak authentication system with comprehensive monitoring and maintenance protocols

Software Engineer May 2024–Sep 2024

Remote, from Asunción, Paraguay

- **Built** containerized CI/CD infrastructure using Docker and GitHub Actions, establishing reliable automated release processes
- **Developed** containerized NestJS applications with focus on system reliability and rapid iteration capabilities

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

Senior Software Engineer Dec 2022–Nov 2023

Remote, from Asunción, Paraguay

- **Implemented** comprehensive error tracking and automatic retry mechanisms, dramatically improving system reliability

- **Optimized** notification system for healthcare worker rate optimization using systematic testing and performance analysis
- **Established** robust testing frameworks and performance monitoring systems using K6 and systematic bottleneck analysis

Software Development Engineer Nov 2021–Feb 2023
Remote, from Asunción, Paraguay
- **Refactored** monolithic frontend into modular React repository, improving development velocity and maintainability
- **Debugged** critical invoicing system issues, applying systematic problem-solving approaches to enhance healthcare financial systems
- **Transformed** legacy invoicing system into event-driven microservices architecture, achieving 95% processing time reduction (2 days to 2 hours) for 5,000+ weekly invoices

Jijo – *U.S.-based global startup*

Software Engineer 2021
Remote, from Asunción, Paraguay
- **Developed** complete Stripe payment integration with booking interface and Redux state management for marketplace platform
- **Built** Chime SDK-based conference studio enabling trainers to broadcast live classes with real-time interaction capabilities
- **Delivered** feature-complete solutions through iterative development with clear success criteria and rapid feedback cycles

National Computing Center

Full Stack Software Engineer 2018–2020
Remote, from Asunción, Paraguay
- **Engineered** React-based employee management platform handling clock-in/out and leave requests for 500+ employees
- **Owned** complete development lifecycle from conception to deployment, ensuring policy compliance and system reliability

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