

## Experience

### TotalDev SAS

Remote

#### Fullstack Developer

Jul. 2025 – Currently

- Implemented financial data processing pipelines using SWIFT and ISO 20022 protocols, processing interbank transactions and ensuring data integrity according to financial standards.
- Built ETL pipelines for multi-format document processing with LAU encryption, transforming and validating data from multiple sources with advanced security protocols.
- Designed and implemented comprehensive inventory management systems using Laravel and React with advanced metrics, detailed reports, and data import/export functionalities.
- Managed complete full-stack architecture from scratch, including integration of external services, API documentation with Postman, and optimization of high-performance scalable systems.

### PARQ

Remote

#### Fullstack Developer

Nov. 2024 – Jul. 2025

- Optimized complex queries in TypeORM, improving data access performance by 40% and implementing data integrity validations and critical inconsistency resolution.
- Developed key modules in React and Angular, implementing global time zone management and fixing notifications for WhatsApp, email, and reports.
- Developed data microservices using NestJS for distributed processing and documented data APIs with Swagger for integration between services.
- Independently built the corporate landing page in React aligned with specific designs and contributed to system stabilization by proposing security improvements.

### SEREMPRE

Remote

#### Backend Developer

Jan. 2023 – Nov. 2024

- Migrated legacy data systems through containerization with DDEV and database optimization (normalization, stored procedures, queries optimized for mass processing).
- Automated critical data pipelines with cron jobs for batch processing and implemented mass file import systems, improving processing efficiency by 60%.
- Trained teams in best practices for data management and integrated external APIs for data ingestion (Cloudinary, Moodle LTI), developing interfaces for processing data visualization.
- Designed and implemented robust and scalable solutions for large-scale Laravel projects using design patterns (Singleton, Observer).

## Education

### Pedagogical and Technological University of Colombia

Tunja, Boyacá

Systems and Computer Engineering

2026

Relevant Courseworks: Databases, Computational Intelligence, Statistics, Computer Security.

### National Learning Service

Tunja, Boyacá

Information Systems Analysis and Development

2022

## Skills & Interests

**Technical Skills:** Python, JavaScript/TypeScript, PHP, SQL, Java, React, Laravel, NestJS, AWS (EC2, S3, Lambda, RDS), Docker, Git, CI/CD, ETL/ELT Pipeline Development, Data Modeling, Redis, Apache Kafka.

**Language:** Spanish (Native), English (B2)

**Soft Skills:** Critical Thinking, Clear Technical Communication, Problem Solving

**Interests:** Distributed systems architecture, data engineering and analytics, cloud computing, performance optimization, contributing to open-source projects, professional development through technical certifications.