

# Franklin Conza

Technical Lead and Backend Developer in Spring Framework and NestJS

## Details

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Nationality: Ecuadorian

## Profile

Backend Tech Lead with over 12 years of experience building scalable, secure, and high-performance systems. Specialized in microservices architecture, event-driven systems, and cloud-native development using Spring Boot, NestJS, and TypeScript. Led cross-functional teams in fintech, mobility, and education sectors, integrating with ERPs, digital wallets, and CI/CD pipelines. Passionate about continuous improvement, code quality, and production-grade application security.

## Links

<https://linkedin.com/in/facatech>

## Skills

Languages & Frameworks: Java, Spring Boot, NestJS, Node.js, TypeScript, JavaScript

Databases: PostgreSQL, MySQL

DevOps & Cloud: AWS, GCP, Docker, Jenkins, Pulumi, CI/CD

Architecture: Microservices, RESTful APIs, Event-Driven Systems

## Languages

Spanish: Native

English: Basic – currently improving through regular practice and professional courses

## Employment History

### Backend Technical Lead – Finance Module at AWTO, Santiago of Chile

January 2025 – March 2025

Led the development of a new Finance Module as part of a full system overhaul (backend, mobile app, backoffice). Implemented event-driven architecture to enhance scalability and real-time processing. Managed digital wallets, payments, trip cost calculation, and invoicing (prepaid/postpaid) with a priority-based transaction system. Designed invoice services including ERP sync and discount logic. Built key microservices (Payment, Receipt, Wallets, PayOut) and collaborated with mobile/frontend teams. Enhanced security, monitoring, and code quality using ELK and SonarQube.

### Technical Lead – Unification Project at AWTO, Santiago of Chile

September 2024 – December 2024

Led the implementation of a Multi-Tenant architecture to unify backend and frontend infrastructure for Chile and Brazil. Worked with the data team to adapt databases and ensure performance and compatibility. Collaborated with the backend team to apply multi-tenant logic at all layers, improving data isolation and security. Supervised frontend integration to ensure consistency with the unified backend. Responsible for architectural strategy, team coordination, deployment optimization, and maintaining high standards in security and scalability.

### Backend Team Lead at AWTO, Santiago of Chile

September 2023 – August 2024

Served as the Backend Team Lead, managing a team of 8 developers focused on building and improving

microservices for payments, user management, fleet control, purchase orders, and trip operations. AWTO is a car-sharing platform with over 700,000 registered users in Chile and nearly 300,000 in Brazil, which required us to build robust, secure, and highly scalable backend solutions to support business operations. With the adoption of a new squad-based structure, Led the “Levassor” squad, a cross-functional team where we developed both the frontend (PWA) and backend (BFF) for the payment method registration module. We implemented business logic for promotions and created a cron job to calculate vehicle tags, integrating the system with SMARTREPORT. Using KrakenD as the API Gateway, we improved service-to-service communication and overall system performance. My responsibilities included technical leadership, architecture design, code reviews, and team collaboration to ensure high-quality delivery.

## **Java Backend Developer at AWTO, Santiago of Chile**

January 2022 – August 2023

Part of a 10-member backend team, contributing to microservices for payments, fleet control, and user management. In the payments module, implemented credit card validation and balance refund features. For fleet control, integrated with FLESPI to send commands and retrieve data; developed cron jobs for business rule enforcement. In user management, refactored Metamap integration and implemented facial recognition (Facematch) using Sumsb. Worked closely with mobile (Android/iOS) and frontend (Angular) teams to ensure seamless integration and performance. Focused on process optimization and high-quality delivery.

## **Java Full Stack Developer at Technical University of Machala, Machala**

June 2015 – February 2022

Developed two key systems: a Graduation Platform to manage the complete process for undergraduate degrees, ensuring transparency and efficiency; and CeDi, a Digital Certificates Platform for the Research Department, automating the generation, download, and verification of academic event attendance certificates.

## **Education**

### **Bachelor's Degree in Systems Engineering at Technical University of Machala, Machala**

January 2003 – December 2007

### **Master's Degree in Education with a specialization in Educational Innovation at Technical University of Machala, Machala**

April 2024 – March 2025

## **Courses**

### **Learning How to Learn at Coursera**

December 2018

### **Professional Specialization in Java at JOSOULL E.I.R.L.**

May 2013 – July 2013

### **CCNA Exploration: Network Fundamentals at Cisco Networking Academy**

May 2010