

Eduardo López

Full Stack Developer

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PROFESSIONAL PROFILE

Senior Full Stack Developer with 5+ years of professional experience specializing in Java (Spring Boot, Spring MVC) and modern React-based front-end development. Strong background in building scalable, high-availability RESTful APIs, microservice-based architectures, and enterprise-grade web applications. Experienced in CI/CD pipelines with Jenkins, cloud environments (AWS), relational and NoSQL databases, and test-driven development. Proven ability to work in distributed teams using Agile/SCRUM methodologies.

PROFESSIONAL EXPERIENCE

EPAYCO BY DAVIVIENDA

Medellín, Antioquia, April 2025 - Present

Backend Developer | Antifraud Team

- Developed and maintained **high-throughput backend services** for real-time antifraud processing, handling large transaction volumes with low-latency requirements.
- Designed and implemented **RESTful APIs** following clean architecture principles and SOLID patterns.
- Built rule-based validation engines (whitelists, blacklists, transactional filters) ensuring **security, performance, and scalability**.
- Optimized system performance using **Redis caching** and efficient database access strategies.
- Applied **design patterns** (Chain of Responsibility, Factory) to improve extensibility and maintainability of critical business flows.
- Collaborated in distributed Agile teams, participating in technical design reviews and production issue resolution.

GROTOOL LLC

Tallahassee, Florida, May 2023 - April 2025

Full Stack Developer

- Led the **frontend migration from Angular to React**, developing reusable UI components using **React, TypeScript, ES6+**, and modern frontend best practices.
- Integrated frontend applications with **scalable backend APIs**, ensuring secure and efficient data exchange.
- Optimized frontend build processes using **Webpack** and modular styling approaches, improving load times and maintainability.
- Implemented and maintained **CI/CD pipelines with Jenkins**, automating build, test, and deployment workflows.
- Supported cloud infrastructure on **AWS (EC2, S3, Amplify)**, improving deployment reliability and system availability.
- Collaborated closely with backend and DevOps teams to deliver full-stack features end-to-end.

BIOONIX

Panamá City, Panamá, Feb 2023 - May 2023

Backend Developer

- Developed secure authentication and authorization mechanisms using **OAuth-based flows** and backend services.
- Designed backend components following **OOP, SOLID principles**, and layered architecture.
- Built business modules focused on **data transformation and optimization** based on user-defined rules and preferences.
- Worked with **NoSQL databases** to ensure flexibility and performance in evolving product requirements.

TUTENLABS

Santiago, Chile Feb 2022 - Feb 2023

Full Stack Developer

- Improved platform reliability and code quality by implementing **unit and stress testing strategies**, achieving **85%+ code coverage**.
- Contributed to a **micro-frontend architecture**, enhancing scalability and reducing cross-team dependencies.
- Developed dynamic, data-driven web features using modern frontend technologies integrated with backend services.
- Actively participated in Agile ceremonies, estimations, and continuous improvement initiatives.

INTELIX SYNERGY

Valencia, Venezuela, Nov 2021 - Feb 2022

Application Analyst

- Developed and maintained internal web applications using **React and Bootstrap**, ensuring UI consistency and usability.
- Automated data processing and cleanup tasks through backend scripts, improving database integrity.
- Supported production systems through issue analysis, bug fixing, and performance improvements.

EDUCATION

UNIVERSIDAD JOSÉ ANTONIO PÁEZ

San Diego, Venezuela, Ago 2016 - Ago 2021

Bachelor of Electronic Engineering

SKILLS / TOOLS

- Backend:** Java, Spring Boot, Spring MVC, RESTful API design, NodeJS, Microservices architecture, Authentication & Authorization (OAuth, JWT)
- Frontend:** React, NextJS, TypeScript, JavaScript (ES6+), Tailwind, Webpack, Frontend performance optimization
- Databases: Relational:** PostgreSQL, MySQL, **NoSQL:** MongoDB, Redis
- DevOps:** Jenkins (CI/CD pipelines), Docker, AWS (EC2, S3, Amplify), Basic Bash scripting
- Architecture and Practices:** SOLID Principles, MVC, Microservices, Agile / SCRUM
- Languages:** Spanish (Native), English (C1 - Advanced)