# JOSÉ ROBERTO LA ROSA LEDEZMA

Fullstack Developer

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## PROFESSIONAL SUMMARY

Fullstack Developer with hands-on experience in real production-deployed projects. Specialized in scalable architectures using React, Node.js, and PostgreSQL. Capable of designing and implementing complex systems from scratch, including multitenant architectures, business logic algorithms, and server deployments. Demonstrated experience in independent development of functional enterprise applications.

## TECHNICAL STACK

- Frontend: React.js, JavaScript (ES6+), Three.js, CSS Modules, HTML5
- Backend: Node.js, Express, Java (JSP, Servlets)
- Databases: PostgreSQL, MySQL
- Architecture: MVC Pattern, Layered Architecture, Multitenant Design
- DevOps: Digital Ocean, Vercel, PM2, GitHub

## PRODUCTION PROJECTS

### VetRequest - Multitenant Veterinary SaaS

Live demo | Video demo

- Complete multitenant SaaS with scalable PostgreSQL architecture (dynamic schemas per tenant)
- Veterinary management system: patients, medical records, appointments, inventory with batch and expiry tracking
- JWT authentication with customizable role-based permission system
- Stack: React + Node.js + Express + PostgreSQL + CSS Modules

### Casino Blackjack Bot - Distributed System with Shared Balance

Video demo | In production (4 simultaneous rooms, 3 months active)

- Casino system with distributed architecture and shared balance across 4 simultaneous instances
- Adaptive algorithm for financial protection and real-time risk management
- Complete persistence with file-based database, role system, statistics, and automatic backups
- Stack: Node.js + PM2 + JSON storage + Digital Ocean

### Sales ERP - Business Management System

Live app | Repository | Video demo

- Complete enterprise system: sales, purchases, inventory, customers, and reports
- MVC architecture with Java JSP, Servlets, and MySQL
- Deployed on own server with manual infrastructure management

### Visits and Sales Control System

Repository | Video demo

- Comprehensive management of clients, salespeople, visits, and orders with role-based system
- Stack: React + Node.js + Express + MySQL + JWT

### Automated Job Application Assistant

Repository

- Desktop application with automated job search via SerpAPI
- Auto-fill forms on platforms like Greenhouse
- Stack: Electron + Puppeteer (stealth) + persistent browser profile

## EDUCATION

**Cibertec, Lima - Peru**

*Computer Science and Information Technology - Final semester in progress*

- Object-oriented programming with Java and MVC patterns
- Relational database design and management (MySQL, PostgreSQL)
- Advanced frontend development with React.js and JavaScript ES6+

## LANGUAGES

- Spanish: Native
- English: B2 (technical reading and documentation)