

RONALD EDUARDO DAVILA MEDINA

Systems Engineer | Full Stack Developer

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PROFESSIONAL PROFILE

Systems Engineer with hands-on experience in the full software development lifecycle. Specialized in the modern JavaScript stack (**Node.js**, **NestJS**, **React**) and **Python** for efficient data automation. Proven track record of optimizing business processes, highlighting the ability to drastically reduce operational times through custom software solutions.

WORK EXPERIENCE

Support & Development Analyst | **ESCIENZA E.I.R.L.**

May 2025 – Dec 2025

Promoted from Intern (May-Sep) to Analyst (Oct-Dec)

FINANCIAL RECONCILIATION MANAGEMENT SYSTEM

Python PHP MySQL JWT

- **Critical Impact:** Reduced monthly reporting time by 70% (from **7 days to just 2 days**) through end-to-end workflow automation.
- **ETL Automation:** Developed Python scripts for the ingestion, cleaning, and automatic cross-referencing of massive datasets (Excel/CSV) from multiple sources (Nubox, EDSuite, SIRE).
- **Security:** Implemented robust JWT authentication with an "impersonation" feature for centralized branch management.

DISTRIBUTION & INVENTORY SYSTEM

React Node.js MySQL

- Full Stack development for inventory and sales digitization at a consumer goods distributor, eliminating manual stock discrepancies.

CORPORATE WEB REDESIGN

Astro SEO

- Visual reengineering using **Astro**, significantly improving Core Web Vitals and user experience (UX).

FEATURED PROJECTS

Restaurant Management System - RestCabaña

NestJS React Native TypeScript WebSockets Docker

- **Scalable Backend:** Modular REST API in NestJS using WebSockets for real-time ordering and payment gateway integration (Culqi).
- **Mobile App (React Native):** Customer and staff application featuring advanced state management (Zustand + React Query) and fluid navigation (Expo Router).
- **Infrastructure:** Containerized deployment with Docker and data persistence using MySQL and Prisma ORM.

TECHNICAL SKILLS

LANGUAGES & BACKEND

JavaScript (ES6+), TypeScript, PHP, Python, Java, Node.js, NestJS.

DATABASES

MySQL, PostgreSQL, Firebase, Prisma ORM.

FRONTEND

React, React Native, Astro, Tailwind CSS, HTML5/CSS3.

TOOLS & DEVOPS

Git, GitHub, Docker, JWT, Postman, Scrum.

EDUCATION

Systems Engineering (Graduate)

2021 – 2025

National University José Faustino Sánchez Carrión