

# Ian Carlos Ortega

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## EXPERIENCE

### Backend Developer at Estudio Cactus (June, 2025 - now)

- Development of a **SAAS** application for managing logistics and port operations using **NestJS** and **Mongo DB**.
- Clean architecture and Domain Driven Design.
- Query optimizations and improved response times using **Redis** for caching strategies.
- Design and integration of a multi-channel **notifications system** for email, push notifications, and in-app alerts.
- Incorporation of **i18n** for email templates and **API** responses.

### Frontend Developer at Relative Engine (July, 2024 - June, 2025)

- Development of a web application for managing events, library, and blog for **CIAT** using **Next.js**.
- Handle **multiple languages** in the application.
- **Unit tests** and functional tests to improve the quality of the code.
- Optimized **SEO** following the best practices to improve the visibility of the library and blog.
- Mastered the use of **Git** and **GitHub** with branches, pull requests, and conflict resolution.

### Freelancer Developer (November, 2023 - June, 2024)

- Developed a **multi-platform** system with web, mobile and backend for client in the e-commerce industry.
- Integration of notifications in real-time using **WebsSockets**.
- Management of projects, handle tasks, and communicate with **clients**.
- Integrate **CI/CD** pipelines, automate testing, and deploy applications.

### Odoo ERP Programmer at Lojagas (March, 2023 - October, 2023)

- Development of **customized modules** focused on the accounting department.
- Customization of reports in excel and pdf format to **automate** the workflow between the production and administrative areas.
- Handling of **SQL queries** to obtain the data required for the reports.
- Collaborated with other developers, improving my **soft skills** and teamwork, while writing cleaner, scalable, and maintainable code.

## EDUCATION

### Computer Science Engineer (2018-2023)

Loja, Ecuador

Universidad Técnica Particular de Loja

- Relevant Coursework: Algorithm Analysis, Data Structures, Advanced Databases, Software Engineering, Web, Mobile and Game Application Development, Fundamentals of Artificial Intelligence, Information Security and Intelligent Systems.

## EXTRA PROJECTS

- UTPL Play (<https://play.liidutpl.ec>)
- FreeMove (<https://freemove-aa0c5.web.app>)
- Thrullo (<https://thrullo.vercel.app/>)

## SKILLS & ADDITIONAL INFORMATION

**Technologies:** JavaScript, HTML, CSS, TypeScript, React, NextJs, NestJs, Mongo, Postgres, Redis and Docker.

**Languages:** Spanish(Native) and English(B2).