

# Ángel Quiroz

Technical Lead & Full Stack Developer

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Technical Lead and Full Stack Developer with 7+ years of experience designing, building, and leading high-impact software solutions across diverse industries.

Skilled in JavaScript, TypeScript, React, Node.js, and modern architectures, with a proven track record of optimizing development workflows, leading cross-functional teams, and delivering complex projects on time and within budget.

Passionate about scalable software architectures, technical mentoring, and continuous improvement.

## EXPERIENCE

### LibelulaSoft, Backend Developer & Technical Lead — (Nov, 2023 - now)

#### Backend Developer (First 3 months):

- Developed and maintained backend applications in the insurance sector.
- Implemented services and APIs for policy and claim management.
- Collaborated with frontend and QA teams to ensure integration and software quality.
- Utilized technologies such as PHP, Yii2, MongoDB, Docker, Redis and AWS.

#### Technical Lead (Promoted after 3 months, Current Position):

- Leading projects in the financial sector, managing a team of developers.
- Designed software architectures and implementation strategies for scalable solutions.
- Led a successful migration from a Yii2 monolith to a modular NestJS architecture using npm packages and build systems, improving maintainability and scalability.
- Supervised code quality and best practice adoption, coordinated closely with stakeholders to align software with business goals, and ensured on-time, within-budget project deliveries.

**Tech Stack:** Javascript, Typescript, React.js, Node.js, Next.js, Nest.js , MongoDB, Bitbucket Pipelines, Docker, AWS.

### Edgebound, Full Stack Developer & Tech Lead — (Jul, 2022- Abr, 2023)

#### Full Stack Developer (First 3 months):

- Worked on several backend and frontend applications, APIs, packages, and services orchestrated in a microservices architecture using HCL Commerce as the core.
- Implemented CI/CD flows with GitHub Actions and Bitbucket Pipelines.
- Conducted test automation using Jest, Vitest, Cypress, and Playwright.
- Improved "Developer Experience" in various projects, enhancing deployment and delivery times.

#### Tech Lead (Promoted after 3 months):

- Led the development team, coordinating backend and frontend projects.
- Defined software architectures and implementation strategies.
- Ensured code quality and adherence to development best practices.
- Collaborated closely with stakeholders to meet business requirements.
- Oversaw project planning and execution, ensuring timely and within-budget deliveries.
- Continued to work on improving the "Developer Experience" and deployment processes.

**Tech Stack:** Javascript, Typescript, React.js, Node.js, Next.js, MongoDB, HCL Commerce, Jest, Vite, Vitest, Cypress, Playwright, Bitbucket Pipelines, Docker, Jenkins.

## Advanced POS Solutions, Full Stack Developer — (Nov, 2021-Jul, 2022)

- Enhanced and extended backend and frontend functionalities for multiple company applications using VueJS, Ruby on Rails, GraphQL, and MongoDB.
- Spearheaded the development of a new frontend project from scratch in Next.js, implementing a scalable onion architecture to ensure long-term maintainability.
- Introduced development best practices, including:
  - ESLint restricted paths to enforce code quality and architectural boundaries.
  - Husky Git hooks to validate commits and prevent code errors before merging.
  - GitHub Actions CI to automate testing pipelines prior to PR approvals and deployments.
- Optimized development workflows, reducing deployment times and improving system stability.
- Collaborated with cross-functional teams to achieve seamless feature integration and faster delivery cycles.

**Tech Stack: React.js, NextJS, VueJS, GraphQL, Ruby on Rails, MongoDB.**

## PROJECTS (Freelance)

### Urban Recolector System (2020 - 2021)

As part of my graduate thesis, I developed an innovative system to enhance waste collection management for a municipality in Manabí, Ecuador. This system optimized the tracking of collection vehicles, provided real-time location updates, and sent user notifications, leading to a more efficient waste collection process. Key features include:

- **Backend:** Laravel and NodeJS.
- **Frontend:** Angular and Ionic.
- **Integrations:** Google Maps API for real-time map displays, Firebase Cloud Messaging for mobile notifications, and Twilio API for WhatsApp notifications.
- **Result:** Improved operational efficiency and user engagement in the municipal waste collection system.

### ITSUP Integrated Management System (2019 - 2021)

Developed a comprehensive system to streamline various processes within an academic institution, covering areas such as:

- **Modules:** Admission, Enrollment, Tuition and Deferred Fees Payments, Electronic Invoicing, Course and Schedule Management, Attendance, and Grades.
- **Backend:** Laravel.
- **Frontend:** Angular.
- **Integration:** Datil API for Electronic Invoicing.
- **Result:** Enhanced administrative efficiency and streamlined academic operations.

### Comuna Manager (2018 - 2019)

Created a web application to manage membership-related processes for a social club with over 700 members in Mejía, Portoviejo. Key functionalities included:

- **Modules:** Membership Enrollment, Monthly Payment Management, Meeting Attendance, Collections, and Fines.
- **Backend:** Laravel.
- **Frontend:** Angular.
- **Result:** Streamlined management of member activities and improved financial tracking for the social club.

## SKILLS

**Programming Languages:** Advanced: Javascript, Typescript; Intermediate: PHP, Ruby.

**Frameworks and Tools:** Advanced: React, Node.js, Next.js, Angular; Intermediate: VueJS, Laravel, Nest.js, Git, Github, Docker, Github Actions, Gitlab CI/CD, Bitbucket Pipelines; Basic: Ruby on Rails.

**Database:** Intermediate: MySQL, MongoDB, Firebase.

**Agile:** Jira, Trello, Github Projects

**Languages:** Intermediate: English; Native: Spanish.

## EDUCATION

**Universidad Técnica de Manabí** – Portoviejo, Manabí, Ecuador. *Informatics Systems Engineer, Oct. 2021*