

# Wilson Medina Arrieta

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## RESUME

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**Full Stack Developer** experienced in designing and delivering production-ready web applications across backend and frontend layers.

Specialized in building REST APIs, modeling relational databases, and implementing scalable architectures using Go, Node.js, PostgreSQL, and frontend with Next.js, contributing to SaaS platforms used by real clients.

## EXPERIENCE

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### MOOBA AGENCIA

Barranquilla, COL

#### Full Stack Developer

May 2025 – Present

- Designed and implemented REST APIs in Go and PostgreSQL for production applications, developing business logic and relational data models following Clean Architecture principles to improve maintainability and scalability.
- Contributed to the development of multi-tenant applications and SSR-based web platforms with Next.js, improving performance, SEO, and overall user experience in commercial projects.
- Participated in Docker-based deployments, production issue resolution, and basic CI/CD workflows, helping improve system stability and reduce fix times.

Selected production projects (team contributions):

- [mooba.co](#) · [tasqui.com](#) · [thermecs.co](#) (Next.js + Strapi CMS Integration)
- [bed.mooba.co](#) (Go, Clean Architecture, multi-tenant)

### UNIVERSITY

Barranquilla, COL

#### Researcher and developer

2023 – 2024

- Developed software modules for robotic monitoring, integrating frontend interfaces with hardware and sensors, and implemented basic computer vision processing, collaborating software–hardware projects.

## PROJECTS

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### Point of Sale (POS) — NestJS, TypeORM, PostgreSQL

- Designed and implemented a modular REST API with authentication, validation, modeling relational data in PostgreSQL and simulating real-world business workflows such as sales and inventory.

### Product manager API — Node.js, Express, PostgreSQL

- Built a documented and tested REST API applying middleware patterns, validation, and centralized error handling, and designed a normalized PostgreSQL schema integrated with a React frontend.

### Drink Recipe Finder — React + APIs + LLM

- Developed a web application integrating external APIs and an LLM using OpenRouter for intelligent recipe queries, managing global state with Zustand to improve performance and user experience.

## EDUCATION

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### UNIVERSIDAD AUTONOMA DEL CARIBE

Barranquilla, COL

Mechatronics Engineering.

Mar 2025

Thesis: Drone System for Pest Detection in Cassava Crops with Custom TensorFlow Lite Model.

## SKILLS & INTERESTS

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**Technical:** Go, Node.js, NestJS, Express, PostgreSQL, SQL, Supabase, REST API, Clean Architecture, Testing (Jest, Supertest, Zod), Next.js, React, Git & Github, Basic CI/CD, Docker and VPS deployment.

**Language:** English B2 and Portuguese A2

**Interests:** Java and Spring Boot